

Badger State

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 25th Year

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Yuletide Greetings!

*May you exalt in the glory of His love as you
celebrate this holy occasion with the ones you love.
With our sincere best wishes to all.*

*From the volunteer staff of
Badger State Smoke Signals*

Kenneth A. Ebnetter, K9EN
Chairman

Donald A. Evenson, K9JYX
Production Assistant

Jim Decker, WB9UQT
Treasurer

Jim Romelfanger, K9ZZ
Editor

FASTER LICENSING

FCC Sets Date for Electronic Filing

On October 24, the FCC released a 7-page Order amending its amateur rules, effective December 20, 1994, to reflect what the Commission calls "nonsubstantive procedural changes."

- To permit electronically filed data from VECs (paper applications also will still be accepted);

- To authorize operation as soon as the new license data appears in the amateur service licensee data base, rather than (as now) when the license document has been delivered (details of how the new licensee can determine his call sign will be announced later);

- To add a new rules section, "Examinee Conduct," to emphasize that an examinee must comply with the instructions given by the administering VEs;

- To treat "Technician Plus" as a license class;
- And to provide for a "renewal short form," which the FCC says will be mailed to licensees in advance of their expiration date beginning sometime in 1995. The FCC added that renewal applications would be accepted no more than 90 days before the expiration date.

Because of the nature of these rule amendments, there is no notice or comment period required by federal law. Again, these changes do not take effect until December 20, 1994.

- The ARRL Letter, 10/27/94

Incumbents Keep Central Division Offices

American Radio Relay League members in the Central Division (Illinois, Indiana, and Wisconsin) voted to retain the incumbent director and vice-director. The tally for director was Ed Metzger, W9PRN, 2821, with challenger Neil Rapp, WB9VPG, getting 1793 votes. Incumbent Vice-Director Howard Huntington, K9KM, faced two opponents. The totals were K9KM, 1951; Mike Hoshiko, W9CJW, 1579; and Kenneth A. Ebnetter, K9EN, 1059.

- Thanks David Sumner, K1ZZ/ARRL

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ELMER

By Rich Regent, K9GDF



Badger State Smoke Signals

WHAT'S HAPPENING

✕ Swapfests and Other Social Events ✕ Club Meetings ✕ Amateur Radio Exam Schedules

EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests

and Other Social Events

SATURDAY, DECEMBER 10, 1994. 1994 Winter Hamfest, Eagles Club, Fairbault, MN. Morning: Silent Auction, Flea Market, Coffee and rolls available. Noon: Chicken dinner prepared by the Eagles Club. Afternoon: Program 1-2 p.m. Contact Don Frans WOFIT (Chairman), 1114 Frank Avenue, Albert Lea, MN 56007 for more information.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

SUNDAY, FEBRUARY 26, 1995. SEWFARS 146.82 Repeater Society, Inc./MACE The Milwaukee Computer Club Swapfest and Computer Fair. at Kugitsch's Entertainment Center, 1600 W Cleveland Ave., New Berlin, WI, 6:00 a.m. to 2:00 p.m. Amateur Radio exams held, bring your paperwork with you. Admission \$3.00. 4' tables \$4.00. Electrical outlets \$5.00. Reservation deadline, February 11, 1995. Send check and SASE to SEWFARS/MACE Swapfest, PO Box 102, Delafield, WI 53018. Telephone (414) 771-1250, Fax (414) 542-7474, or LL BBS (414) 789-1034. Or inquire on 146.82.

TUESDAY, FEBRUARY 28, 1995. Northern Wisconsin Radio Club Auction. Contact: Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749.

SUNDAY, APRIL 2, 1995. Madison Swapfest. For information on booths, tables and tickets contact: MARA, PO Box 8890, Madison, WI 53708-8890.

SATURDAY, MAY 13, 1995. Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

SATURDAY, JULY 8, 1995. South Milwaukee Swapfest, Oak Creek, WI. Contact SMARC, PO box 102, South Milwaukee, WI 53172. (414) 762-3235.

SATURDAY, SEPTEMBER 2, 1995. Hayward, WI Hamfest. Sponsored by Namekagon Valley Wireless Association. Held at the Armory in Hayward from 7:00 a.m. to 3:00 p.m.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the October 1994 meetings column for the latest complete listing. The following are additions or changes since that listing.

MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed. Held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin ST., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank, corner of 8th and Franklin Streets.

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Third Wednesday, 7:00 p.m. Emergency Government Office, Wood County Court House. Talk-in on 146.79 for entry into the building.

Net on Sundays at 8:00 p.m. on 146.79.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

December 3, 1994	River Falls, WI
December 3, 1994	Racine, WI
December 3, 1994	Merrill, WI
December 10, 1994	Madison, WI
December 10, 1994	Oak Creek, WI (SWAT/MRAC)
December 10, 1994	Stevens Point, WI
December 10, 1994	Marshfield, WI
December 10, 1994	Madison, WI
December 17, 1994	Milwaukee, WI (BE)
December 21, 1994	West Allis, WI (MRAC)
January 14, 1995	Madison, WI
January 14, 1995	Oak Creek, WI (SWAT/MRAC)
January 18, 1995	West Allis, WI (MRAC)
January 21, 1995	Loves Park, IL
January 28, 1995	Wauwatosa, WI (MRAC)
January 28, 1995	Tomahawk, WI
February 4, 1995	Racine, WI
February 11, 1995	Madison, WI
February 11, 1995	Oak Creek, WI (SWAT/MRAC)
February 15, 1995	West Allis, WI (MRAC)
February 18, 1995	Loves Park, IL
February 25, 1995	Wauwatosa, WI (MRAC)
February 25, 1995	Tomahawk, WI
March 4, 1995	Racine, WI
March 11, 1995	Marshfield, WI
March 11, 1995	Madison, WI
March 11, 1995	Oak Creek, WI (SWAT/MRAC)
March 15, 1995	West Allis, WI (MRAC)
March 18, 1995	Loves Park, IL
March 25, 1995	Wauwatosa, WI (MRAC)
March 25, 1995	Menomonie, WI
March 25, 1995	Tomahawk, WI
April 1, 1995	Racine, WI
April 8, 1995	Madison, WI
April 8, 1995	Oak Creek, WI (SWAT/MRAC)
April 19, 1995	West Allis, WI (MRAC)
April 15, 1995	Loves Park, IL
April 29, 1995	Wauwatosa, WI (MRAC)
April 29, 1995	Tomahawk, WI
May 6, 1995	Racine, WI
May 13, 1995	Madison, WI
May 13, 1995	Oak Creek, WI (SWAT/MRAC)
May 17, 1995	West Allis, WI (MRAC)
May 20, 1995	Loves Park, IL
May 27, 1995	Wauwatosa, WI (MRAC)
May 27, 1995	Tomahawk, WI
June 3, 1995	Racine, WI
June 10, 1995	Madison, WI
June 17, 1995	Marshfield, WI
June 21, 1995	West Allis, WI (MRAC)
June 17, 1995	Loves Park, IL
June 24, 1995	Wauwatosa, WI (MRAC)
June 24, 1995	Tomahawk, WI
July 19, 1995	West Allis, WI (MRAC)
July 15, 1995	Loves Park, IL
July 29, 1995	Wauwatosa, WI (MRAC)
July 29, 1995	Tomahawk, WI
August 16, 1995	West Allis, WI (MRAC)
August 19, 1995	Loves Park, IL
August 26, 1995	Wauwatosa, WI (MRAC)
August 26, 1995	Tomahawk, WI

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

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TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 28th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than **FIVE DAYS** after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

September 2, 1995 Racine, WI
 September 9, 1995 Madison, WI
 September 9, 1995 Oak Creek, WI (SWAT/MRAC)
 September 16, 1995 Marshfield, WI
 September 20, 1995 West Allis, WI (MRAC)
 September 16, 1995 Loves Park, IL
 September 30, 1995 Wauwatosa, WI (MRAC)
 September 30, 1995 Tomahawk, WI
 October 7, 1995 Racine, WI
 October 14, 1995 Madison, WI
 October 14, 1995 Oak Creek, WI (SWAT/MRAC)
 October 18, 1995 West Allis, WI (MRAC)
 October 21, 1995 Loves Park, IL
 October 28, 1995 Wauwatosa, WI (MRAC)
 October 28, 1995 Tomahawk, WI
 November 4, 1995 Racine, WI
 November 4, 1995 Menomonie, WI
 November 11, 1995 Madison, WI
 November 11, 1995 Oak Creek, WI (SWAT/MRAC)
 November 15, 1995 West Allis, WI (MRAC)
 November 18, 1995 Loves Park, IL
 November 25, 1995 Wauwatosa, WI (MRAC)
 December 2, 1995 Racine, WI
 December 9, 1995 Madison, WI
 December 9, 1995 Oak Creek, WI (SWAT/MRAC)
 December 16, 1995 Marshfield, WI
 December 20, 1995 West Allis, WI (MRAC)
 December 16, 1995 Loves Park, IL
 Monthly, 1st Sat. Racine, WI

(except January, July & August)

Monthly, 2nd Sat. Madison, WI
 Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC)

(except June, July & August)

Monthly, 3rd Wed. West Allis, WI (MRAC)

Monthly, 3rd Sat. Loves Park, IL

Monthly, Last Sat. Wauwatosa, WI (MRAC)

(except December)

Monthly, Last Sat. Tomahawk, WI

(January thru October only)

Quarterly Marshfield, WI

(Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St.,

Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Amateur exams: 1:00 p.m. to 4:00 p.m.

Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

MERRILL TEST SESSION

There will be ham radio license testing held in Merrill, WI on Sat. December 3rd at the Merrill High School. Registration starts at 9am and testing starts at 9:30am. All license class exams will be given. Talk-in on 146.970 or 145.450 repeaters. For more info call Sherry (AA9CB) @ 715-539-2000.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-

0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

EAU CLAIRE, WI - ECARC HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

CEDARBURG, WI - ORC HAMFEST

ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at Illinois Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your exam schedules.

STOLEN HAM EQUIPMENT

The following gear was reported stolen on November 21, 1994 from the car of Lew Sher-rar, K9JPS, in Wausau, WI:

Kenwood TM-241A s.n. 30900825
 Kenwood TS-50S s.n. 50700411

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Midwinter Swapfest by West Allis RAC will be held on January 8; they had 40th anniversary and awards dinner with Member of the Year award to N9FEW and 35-years award to K9WTF.

The Madison Area Repeater Association has 285 members and is growing.

Four Lakes ARC has been officially renewed as a Special Service Club.

KB9HHW has applied for the Kenosha ARC to become ARRL affiliated.

New officers Green Fox ARC: pres AA9LY, vp N9GVY, secy KB9WC, treas N9TXS.

Officers Central Wisconsin RA: pres KA9ZGD; vp W9NN, secy KA9FAS; treas N9JW.

Officers QCWA Chapter 55: ch N9BCX, vch KE9JJ, treas W9RZW, secy W9JK.

New applicants for Official Observer are AA9GC Milwaukee, W9VSO Mukwonago and N9KIG Muskego. If you would like to become an OO, contact N9CAP of Milwaukee.

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3985	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

Exams: January 14 Madison, Oak Creek; January 17 Marshfield; January 21 West Allis; January 31 Wauwatosa, Tomahawk.

Sorry to report Silent Keys: W9NHW (87) of Beaver Dam, K9HJH of New Berlin, and W9CIZ (95) of Waupaca.

Thought for the month: *A computer program does what you tell it to do, not what you want it to do.* □

Donald J. Stenz, K9KSA, Silent Key

Donald J. Stenz, K9KSA, of Brookfield, suffered a massive heart attack on November 8, 1994, and did not recover.

Don was born on March 12, 1937. Amateurs know Don as one of the most active ARRL Official Relay Stations in Wisconsin and also for his volunteer work as Section Traffic Manager since November 2, 1990. K9KSA checked into many nets, and then entered on his home computer all individual's traffic totals, public service honor roll points, BPL and net reports each month to eventually be published in *QST*. Don promoted traffic handling and was proud to be a Charter Life Member of the ARRL.

Professor Stenz worked at the Milwaukee School of Engineering, as professor of electrical engineering and computer science. Being a student in one of Don's classes was enjoyable but challenging. His semester curriculum was exacting and his teaching methods were extremely organized. I was in a few of his classes around 1960 -- he is one teacher I will always remember for excellence.

For a number of years, Don lived at the yellow brick house at 610 Main Street in Oconto Falls while he was teaching at the technical school in Wausau, and then returned to this area again to teach at M.S.O.E.

Don, Amateur Extra Class K9KSA, was also M.S.O.E. club station W9HHX adviser. He gave new members very detailed plans he drew to make a wouff hong out of white pine. Really wish I hadn't left mine at a house I moved from; it had his signature and many others. Don was also Club president for many years. "Students get experience in things they will eventually be doing in their

field," Don said about the club. "They get to experiment with a variety of equipment before they get out there. In this club the students can talk to other students with similar interests, there is a growth of knowledge between them because of this interaction."

Don was creator and publisher of the *Wisconsin Radio Amateur Herald*, a newsletter loaded with photos and down-to-earth writing, W.A.R. news, "What's Your Favorite Ham Activity?" column, repeater directory, calendar of events, Wisconsin ham news, biographies, and offers for the \$2 want ad special. Don's guarantee of satisfaction was to offer a 100% refund for all issues not mailed for any reason or no reason at all. The *Herald* was mailed from Oconto Falls with permit number 73. I still have issues 47 and 48 of September and October, 1984. The *Herald* was frequently published from 1970 through 1985.

Don didn't have much spare time, but he did enjoy riding his son's motorcycle and repairing his own cars. I'm sure that if Don gets a chance to send a radiogram back to earth from heaven, he knows enough electronics, math and message formatting to do it. We'll be listening and thinking of you, Don.

Services for Don were held at the Garfield Baptist Church, on Friday, November 11. Don's wife gave me a hug. We probably had known Don for the same amount of time in our different ways, each truly missing him for what he meant in our lives.

I remember the last telephone chat with Don a week before. We were winding up a review of the list of Wisconsin nets for printing in the ARRL Net Directory. Don said, "Rich, you put in an extraordinary effort getting that list of nets together." Actually, it was the precise organization skills which he taught me 34 years ago simply being put

PACKET RADIO DX

By Richard Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Just how far can packet-radio message forwarding relay a message by amateur radio? Well Les Peterson, W9YCV of Greenfield, Wisconsin, tested the system and found an answer.

First, on September 23, 1994, he composed a message, "How was your garden this year, your family, anything of interest, reply by InterNet E-Mail via peter@earth.execpc.com".

Next, Les logged on to the WA9KEC packet radio Bulletin Board System for uploading his test message and then forwarding. To give test its distance challenge, Les forwarded the message to his amateur radio friend Andy, who lives far from Greenfield. In fact, Andy who has the call RK3-KPK, lives 4,970 miles away in Moscow, Russia!

Several years ago Andy happened to see one of Les' QSL cards pass through the Moscow Bureau and noticed that Les is a member of AMSAT, an amateur satellite communications enthusiast group. Andy wrote to Les and they have been corresponding ever since. They even had a CW QSO on 20 meters.

Back to the packet message to Moscow. Days went by, we're not sure what route the message took, and then the packetgram arrived in Moscow. It was forwarded to Andy. We do know that he was surprised to get news from his United States friend Les over packet radio.

Andy put an answer together and finally replied on InterNet. So on October 7, within two weeks after sending the test message, Les made his daily check into InterNet via telephone modem with ExecPC BBS in New Berlin, Wisconsin. On this day there was "1 messages waiting". It was from Andy confirming the long distance packetgram. (A four part series about InterNet can be found in September through December, 1994, *QST*.)

Les read the message from Andy, "Hello Les. Message lately. I am glad to know you OK now and active by packet radio. This is control message by E-Mail between us. Also I will send a message to you by packet. I am OK now. My family is OK also. No big problems. Well Les, my best wishes to you and yours now. 73. Andy."

Congratulations to W9YCV for a double success: favorable international good-will promoted and a long distance packet test completed. But there was a slight problem at the home front. Les' wife Grace, who is a foreign postage stamp collector, was disappointed because there aren't any Russian stamps when Les uses packet radio and E-Mail. There isn't even an envelope! □

DARA Scholarships Open

The Dayton Amateur Radio Association is once again accepting applications for its scholarship program, open to all FCC-licensed amateurs who will graduate high school in 1995. The DARA offers eight scholarships of \$2000 each. For more information and application forms, write to DARA Scholarship Committee, 45 Cinnamon Court, Springboro, OH 45066.

- The ARRL Letter, 10/27/94

to use. I complimented him on all the work he does as Traffic Manager. We had finished our conversation and there was a slight pause. Now when I think back, you never know when you hang up the phone with a good friend that it might be for the last time. It was. "Goodbye, Rich." "Goodbye, Don."

- Richard R. Regent, K9GDF

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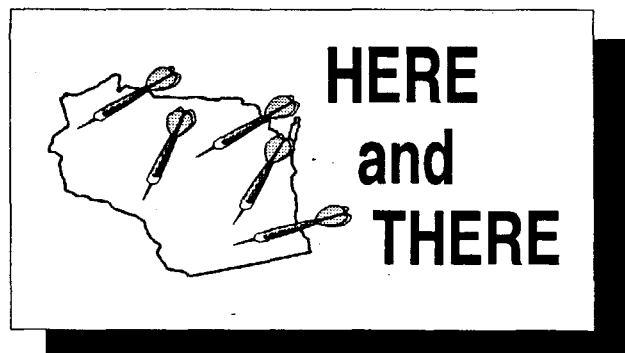
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Bill Leonard, W2SKE, SK

Bill Leonard, W2SKE, a former president of CBS News, died October 23 in Laurel, Maryland. He was 78.

Leonard, an avid Dyer and contest operator in the 1960s and 1970s, was an advocate for Amateur Radio, writing, for example, an article for *Sports Illustrated* in 1958 entitled "The Battle of the Hams." It described the "sport of DXing" and Leonard's role in it from the contest super station of Buzz Reeves, K2GL, on Long Island.

Leonard said in 1981 that he was interested in radio as a child in the 1920s, and received his first amateur license, W1JHV, while a student at Dartmouth College in 1934.

After graduating in 1937, Leonard went to work as a reporter for the Bridgeport, Connecticut, *Post-Telegram*. After serving in the US Navy from 1941 to 1945, where was involved with electronic countermeasures against German radio-controlled bombs, he joined CBS News in 1945.

As CBS president, Leonard was credited with the selection of Dan Rather as Evening News anchor, as a member of the team that developed the "60 Minutes" newsmagazine, and of helping develop techniques to predict election outcomes.

Asked in 1981 about the future of Amateur Radio, W2SKE said "I have a hunch that Amateur Radio is going to get more and more tangled up with amateur computer technology." He also said "My bet is that ham radio, in one form or another, will be around 100 years from now."

A profile of W2SKE appeared in March, 1981, *QST*. Bill Leonard leaves his wife, the former Norma Kaphan Wallace, and six sons.

- ARRL Bulletin ARLX030, 10/24/94

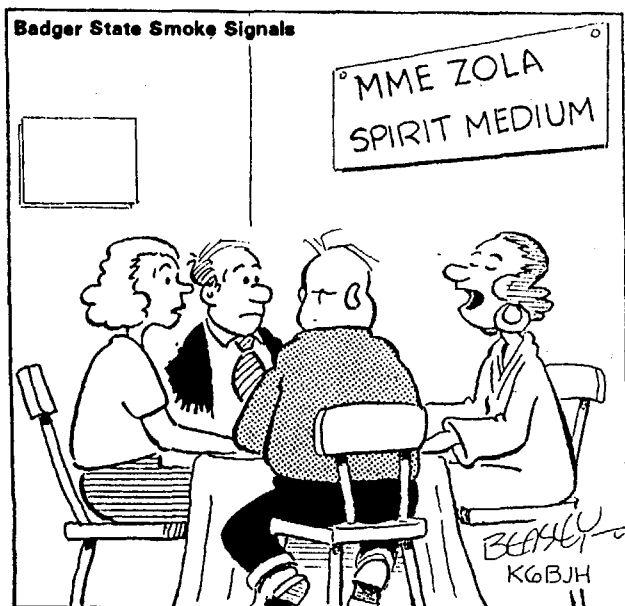
FCC Proposes Reallocation

The FCC has adopted a Notice of Proposed Rule Making to convert a block of spectrum from federal government to commercial use, including two UHF bands shared by Amateur Radio on a secondary basis with the government.

The proposal would allocate 2390 to 2400, 2402 to 2417 (both shared by amateurs), and 4660 to 4685 Mhz to the Fixed and Mobile Services. The FCC is required by the Omnibus Budget Reconciliation Act of 1993 to adopt rules for such a reallocation by February 10, 1995. The FCC said it received a number of responses to its Notice of Inquiry on the proposed reallocations, including formal comments from "the amateur community" (primarily the ARRL). More information was in October *QST*, on page 83.

- ARRL Bulletin ARLB085, 10/25/94

(See followup story in next column.)



I'M PICKING UP THE SPIRIT OF A SHIP'S RADIO TELEGRAPHER-- ANYONE HERE COPY 35 WPM CW?

FCC Sets 2400 MHZ Date

The FCC has set December 19, 1994, as the comment date for a notice of proposed rule making to convert a block of spectrum from federal government to commercial use, including two UHF bands shared by Amateur Radio on a secondary basis with the government.

The full text of the NPRM, released by the FCC on November 9, is available from ARRL Headquarters on the HQ BBS, at 203-666-0578, and also from the ARRL InterNet Infomail, infoarrrl.org (see October 1994 *QST*, page 43). The file name is FCC94272.txt.

- From ARRL Bulletin ARLB090, 11/10/94

FCC Reciprocal Docket Update

The FCC announced today the termination of a proceeding, PR Docket 92-167, in which it was proposed that Volunteer Examiners inspect credentials and administer brief examinations to visiting foreign amateurs as a basis for the granting of temporary FCC operating permits to amateurs from countries with which the United States does not have a reciprocal operating agreement.

In its comments on the FCC proposal, filed in 1992, the ARRL had said there were better ways to achieve the objective of the proceeding. The League suggested that the US take the lead in establishing a worldwide common license and urged the FCC to abandon its proposal and consider alternative steps leading in that direction, such as US participation in a European common license arrangement.

The FCC decided not to amend the rules as it had proposed. Instead, it has noted the suggestions in the comments for alternative means of licensing visiting foreign amateurs, and will continue to explore other options for meeting this need and will work to ensure the reciprocal treatment of US amateurs overseas.

- ARRL Bulletin ARLB086

Comics Funding Sought

All kids like comics. Every year, ARRL Headquarters provides some 50,000 copies of an Archie ham radio comic to amateurs, who then give them to interested youngsters as part of the League's effort to tell them about Amateur Radio. Print runs of 100,000 (the minimum) cost about \$19,000. The comics come with a reply card for more information and a list of companies and clubs that have contributed to the comics program.

So please help, by asking your club to consider giving \$50, \$100, \$250, or what your members can afford - or ask your club newsletter editor to run this article in the next issue. Contact the ARRL Educational Activities Department (225 Main Street, Newington, CT 06111) for details. And thanks.

- The ARRL Letter, 10/27/94

1995 Wisconsin QSO Party

The 1995 Wisconsin QSO Party will be held Sunday, March 12, 1995, from 12 noon until 7 p.m. CST. The WQP is sponsored annually by the West



Northeast Wisconsin DX Association

The Northeast Wisconsin DX Association (NEWDXA) was founded in December, 1993 by twenty two amateurs with a serious interest in DXing. Membership as of October, 1994 is 40.

The purpose of the association is to promote DXing, friendship, and quality operating practices. The association operates as a non-profit group.

The association is affiliated with the American Radio Relay League, and is recognized and chartered as a viable DX association by the League.

NEWDXA presently has eight members who are DXCC Field Representatives, and they provide services for amateurs in regard to checking QSL cards for initial DXCC certificates. Those services are done locally, through local clubs and at regional hamfests.

Two types of membership in NEWDXA are available:

Full membership requires the amateur to be an ARRL member, have a DXCC certificate, and have a serious interest in DXing.

Association Limited Membership is an 18-month, non-renewable membership which is available to the amateur who is getting started in DXing, but who has not yet obtained the DXCC certificate. This membership category allows a beginning DXer to be part of the group, attend meetings and programs and, in essence, rub elbows with those who have been DXing for several years. The information shared is invaluable for someone just starting DXing. We have found that members in this category have no trouble meeting the requirement for full membership status within the 18-month time line.

NEWDXA meets quarterly in different city/town locations. We meet in local restaurants' meeting rooms. We start with a business meeting, followed by lunch, a DX program, and then enjoy social time to share information and swap stories.

Membership is open to all amateurs from any location. They must simply meet the membership requirements.

Any amateurs interested in NEWDXA may contact George Croy, W9MDP, at (414) 730-0967, or Jim Promis, WY9E, at (414) 869-2838 for more specific information.

Written inquiries may be sent to Jim Promis, WY9E, NEWDXA Membership Coordinator, 3745 Rolling Heights, Oneida, WI 54155.

- George Croy, W9MDP

Allis Radio Amateur Club, and is known as one of the best QSO parties in the U.S. You don't have to be a dedicated contest operator to enjoy this event. Mark your calendar right now and join the fun! We'll have full rules, a multiplier list, and a score summary sheet in the February, 1995 issue of *Badger State Smoke Signals*.

WARAC Celebrates 40 Years

BSSS congratulates the West Allis Radio Amateur Club as it observes the 40th anniversary of the club's founding. In addition to sponsoring the WQP

Please turn to page 9

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December 1994

How to Sound Like a Lid

By Rusty Bumpers, N4LID

Note: This "Rusty Bumpers" column is from the May 1993 issue of "Solid Copy," the Richmond (VA) Amateur Telecommunications Society's monthly newsletter. Most of the examples used by "Rusty" have happened on the local repeaters exactly as written, although some of the items are exaggerated slightly for humor.

On two meters lately, I have noticed a tendency of people making a concerted effort to sound like a Lid (i.e., poor operator). Since this appears to be the new style in Amateur Radio, I thought I would present this handy guide to radio nerd-dom.

The following is what I call: "How to sound like a Lid in one easy lesson."

1. Use as many Q-signals as possible. Yes, I know they were invented solely for CW and are totally inappropriate for two-meter FM, but they're fun and entertaining. They keep people guessing as to what you really meant (i.e., "I'm going to QSY to the kitchen.") Can you really change frequency to the kitchen? QSL used to mean "I am acknowledging receipt," but now it appears to mean "yes" or "OK." I guess I missed it when the ARRL changed the meaning.
2. Never laugh when you can say "hi, hi." No one will ever know you aren't a long time CW ragchewer if you don't tell them. They'll think you've been on since the days of Marconi.
3. Utilize an alternative vocabulary. Use words like "but," "destinated," and "negatory." It's OK to make up your own words here. "Yeah Bill, I pheelbart zaphonix occasionally myself."
4. Always say "X4XXX (insert your own call) for I.D." Anything that creates redundancy is always strongly encouraged. That's why we have the Department of Redundancy Department. (Please note that you can follow your call with "for identifi-

cation purposes" instead of "for I.D." While taking longer to say, it is worth more lid-points.)

5. The better you copy on two-meter FM, the more you should phonetically spell your name, especially if it is a short and/or common one, i.e., "My name is Al - Alpha Lima" or "Jack - Juliet Alpha Charlie Kilo." If at all possible, make up unintelligible phonetics. "My name is Bob - Billibong Oregano Bumperpool."
6. Always give the calls of yourself and everyone who is (or has been) in the group, whether they are still there or not. While this has been unnecessary for years, it is still a wonderful memory test.
7. Whenever possible, use the wrong terminology. It keeps people guessing. Use "modulation" when you mean "deviation" and vice versa. And even if the two-meter FM amplifier you're using is a Class C type amp, and thus not biased for linear amplification, be sure to call it your "linear." Heck, refer to all FM-style amplifiers as "linears." You'll be king of the wrong terminology hill.
8. If someone asks for a break, always finish your turn, talking as long as possible before turning it over. Whenever possible, pass it around a few times first. This will discourage the breaker and, if it is an emergency, will encourage him to switch to another repeater and not bother you.
9. Always ask involved questions of the person who is trying to sign out. Never let him get by with a yes or no answer. Make it a question that will take a long time to answer.
10. The less you know about a subject, the more you should speculate about it on the air. The amount of time spent on your speculations should be inversely proportional to your knowledge of the subject.

- Handi-Ham World,
Courage Handi-Ham System, Fall 1994

Wisconsin QCWA Chapter 55 Meets, Elects Officers

By Les Peterson, W9YCV
9741 West Howard Avenue, Greenfield, WI 53228



Chairman Mike Ortlieb, KN9P, (on left) presented the QCWA Century Club certificate to Harold Ferguson "Fergie", W9IEM, during the Chapter 55 Fall meeting.

- Photo by Les Peterson, W9YCV

On Saturday, October 1, 1994, Chapter 55 held its annual fall meeting. It was one of those lovely fall days Wisconsin has to offer. The meeting place was Machut's Supper Club in Two Rivers, WI, where thirty-seven members and guests gathered. Before dinner, many "Eyeball" QSOs took place.

At noon, and after the invocation by member Les Peterson, W9YCV, the group enjoyed a superb family style dinner. After dinner, Chairman Mike Ortlieb, KN9P, asked for a moment of silence in remembrance of the chapter's silent keys. Also, reports were given on members who are ill or in health care institutions. Next Fergie, W9IEM, had his Century Club certificate presented to him (see accompanying photo.) Then Ken Tate, WB9OBX, gave an interesting slide presentation on a DX-pedition to (CY9) St. Paul Island. He and several other amateurs from Wisconsin visited this island in June. A short break followed during which the ladies went elsewhere to chat or see the sights in the area.

After the break, the business meeting took place. Beyond the normal business there was an election of new board members. Those elected were: Ed Seruga, KE9JJ; George Cox, N9BCX, Jack Krause, W9JK; and incumbent Erv Froehlich, W9RZW. The board met and elected N9BCX as Chairman, KE9JJ as Vice Chairman, W9JK as Secretary, and W9RZW retained his position as Treasurer. Those whose terms expired were KN9P, W9OP and W9LPF. The members thank them for their past service to the chapter.

For the spring meeting on the first Saturday in June 1995, the members decided to return to Machut's.

Following the announcement of the new officers, the meeting adjourned and an auction of "Junk Box" goodies took place with the chapter's master auctioneer, Travis Baird, W9VQD, conducting it.

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KEN HUTLER

The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

THE COMPUTER CORNER #16: WORRYING ABOUT MEMORY

More and more computer users are worrying about memory these days - the memory in their computers. However, they often confuse working memory with long-term storage. On more than one recent occasion, I have heard comments like "I need to buy more memory for my hard drive," or "I need to expand my computer's memory, so I think I'll buy a larger drive." Clearly, these folks were mixing metaphors!

I really like to use analogies, because analogies allow people to move easily from what we understand (the "known") to what we do not yet understand (the "unknown"). Therefore, let's consider an analogy of hard drives and memory.

It is really quite simple. A sheet of paper and a pencil are to human memory as a hard drive is to computer memory. We devise our shopping list in our human memory, and write it on paper. At the store, we read the paper to refresh our human working memory, so that we don't forget to purchase any items. A computer MUST store data concerning what it is supposed to do (like watching the keyboard, in case a human types something) on a hard drive or floppy because when it is turned off, all memory is lost. However, it can, next time it is turned on, read the data written on the hard drive and put that data back in its memory so it knows what to do again. The analogy is a good one, except that we (thank goodness!) don't lose everything from our memory each time we go to sleep like a computer does each time it is powered down (my wife, Shari, reminds me that certain individuals in our household come pretty close!).

So, the hard drive is really a long term storage device rather than main computer memory (some authors hedge by calling a hard drive "secondary memory"). Well then, what the heck is this main memory stuff? You have probably heard it called RAM, though it has nothing to do with goats or trucks.

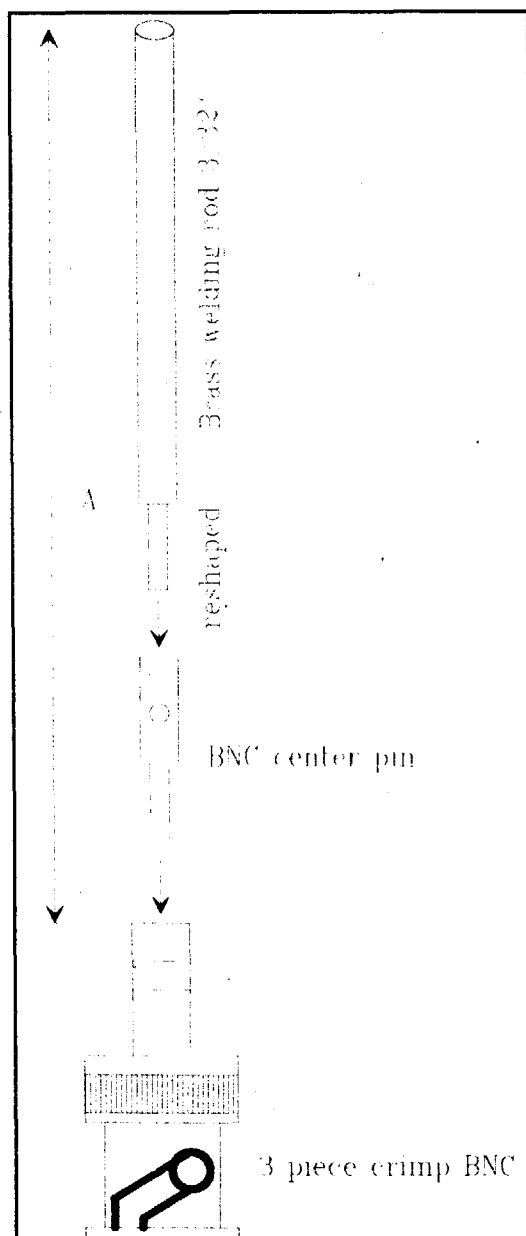
RAM stands for Random Access Memory, and random access simply means that you don't have to examine the contents of the first 326 files in a filing cabinet if you know the data is in the 327th file. Another analogy (stolen by me from someone else): if you want to play the 4th song on a record, just lift the phonograph arm and lower it on the correct track. You don't have to listen to songs 1 through 3 first. However, you can't do that with a tape. In that case, you must fast forward the tape, passing songs 1 through 3, until you reach the 4th. That is *sequential* access, as opposed to *random* access.

RAM is good stuff. Not only can it be quickly accessed because it can be randomly accessed, it is also high speed. Your computer RAM can be written to or read from in less than a millionth of a second. While data on a hard drive can also be accessed randomly, the process is much slower - by at least a thousand times.

Like all good stuff, RAM costs a lot. A megabyte of RAM (roughly enough to hold the text of your favorite novel) costs about \$40 these days. The equivalent space on a hard drive runs about 50 cents.

On the other hand, RAM is *volatile*. That means

1/4 Wave HT Whip Antenna



By D. R. Kubichek, N6JSX/9

1502 South 10th Street, Manitowoc, WI 54220

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PARTS NEEDED

BNC connector, crimp type, 3-piece
Brass welding rod, 3/32"
Heat shrink tubing, 3/32", 1/8", and 3/16"

METHOD OF CONSTRUCTION

On one end of the brass rod (about 1/4 inch), grind off enough of the rod so that the end can be securely put into the end hole of the BNC center pin. Solder the end pin to the brass rod. Slide about 1-1/2" of 3/32" heat shrink tubing over the rod and just enough further to cover the solder on the BNC center pin. Shrink the tubing. Slide about 1" of 1/8" heat shrink tubing over the 3/32" tubing and shrink. Place pin/rod into the BNC. Slide a 2" piece of 3/32" heat shrink tubing over the rod and the crimp end of the BNC connector. Shrink the tubing. Measure from the BNC crimp end to the desired length for the band of operation. Cut the excess rod off. Round the tip of the rod with a file.

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Rod Dimensions for "A"

146 MHz	19.2"
222 MHz	12.6"
442 MHz	6.3"
1280 MHz	2.2"

that the data in RAM goes bye-bye when you turn off the power. Type a 10-page memo on your computer, and as you type, it gets stored in RAM. Turn off the power, and poof, your hard work is gone! The RAM chips need power to store data and, in the absence of power, they get Alzheimer's. That is why you save your work to disk, before you turn off the power. Your memo then gets written to a floppy or hard drive - a long term storage device with non-volatile memory - which can be read again next time you power up.

It should be evident now that RAM is memory that is used constantly (and nearly instantly) as we humans work at the computer. If we are typing a memo and press the letter A, a number which represents the letter A is immediately stored in RAM. RAM is therefore working memory, rather than just storage space. The hard drive, on the other hand, is storage space. We only access it occasionally, as when saving a file to the disk or reading a file from the disk.

How much RAM does your computer have? How much does it need? We'll explore that story the next time around. Happy computing! □

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Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or call Ken at (608) 742-3560.

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Want to work CW under poor conditions and weak signals? You need an INSECT CD Audio Filter from England.

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Audio connections are 1/4" headphone jacks on the front. A 7-pin DIN socket is on the back for connection to a computer. An audio cable with BOTH 1/4" and 1/8" plugs, and other connectors are provided. This INSECT feeds on just 60mA of 12 VDC, which makes it QRP friendly.

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Bandwidth - Centered at 60 Hz, and adjustable from 10 to 110 Hz.

Output Attenuation - Used along with Frequency and Bandwidth knobs to tune the filter for best copy of the signal wanted.

Here is how to use the INSECT Filter.

Please turn to page 8

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Using a Ideal #2 size Self-inking stamp 1" x 2.5" with black ink. Red gum rubber, not photopolymer.

W.V.R.A. Tailgate Hamfest and Flea Market



The W.V.R.A. held its first Tailgate Hamfest and Flea Market on Sunday October 9, 1994 at the Northcentral Technical College parking lot in Wausau. While the weather was very windy and cold with a few brief showers, it did not deter the hardy ham souls who came to buy or sell. Coffee and hot chocolate where the "hottest" sellers of the day (twenty gallons worth)! We may have been small, but there was no lack of enthusiasm. It was fun meeting new faces behind the calls. Hope to see everyone next year, only warmer, hopefully! □

- Photo courtesy Dee Duckett/N9SDM

Actions on HF Forwarding Digital Plan

The ARRL has filed reply comments on FCC PR Docket 94-59, that proposes to allow automatic control of digital stations on the HF bands under certain specific conditions.

The League said that it shared concerns filed by some amateurs, about the possibility of interference to amateurs using other modes, and urged the FCC to adopt its original proposal for specific subbands and other restrictions.

The ARRL made essentially the same recommendation in its comments on the FCC proposal in early October. By that time, the FCC had received comments from 15 parties, eight opposed to automatic HF control, five supporting the League's proposal for specific subbands, and two supporting the ARRL plan but with additional provisions for avoiding interference.

The League said in its reply comments on November 1 that since some parties suggest no restrictions, while others advocate no changes at all at this time, that it, the ARRL, favored a middle course, as it originally had proposed (and was the basis of the Notice of Proposed Rule Making).

More information was in August, 1994 *QST*, page 71.

- ARRL Bulletin ARLB089, 11/8/94

NEW PRODUCTS

Continued from page 7

1. Zero beat the signal wanted near 800 Hz.
2. Set filter Input Attenuation at -5, Output Attenuation at -2, Bandwidth at 60 Hz, and Frequency at 800 Hz.
3. Switch in the filter, and center it over the signal.
4. Alternately narrow the bandwidth, center the filter and adjust output attenuation for best copy.

The filter circuit provides a "sweet spot", and correctly tuned signals jump out of the QRN/M with a tone all their own. Even at the narrow 10 Hz bandwidth, other signals are faintly in the background, but the signal squeezed out of the QRN/M stands out unmistakably.

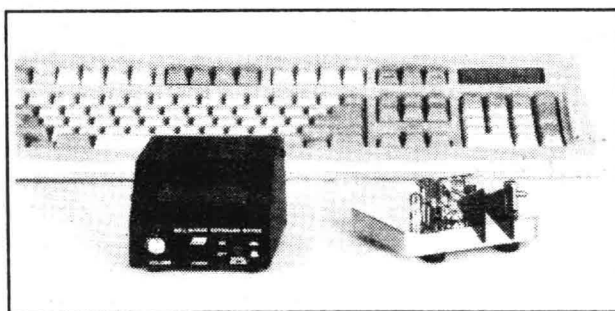
With decent received signal strength, the filter will let you give 599 reports when you are heard just 349/QRN/QRN. With weak signals, the INSECT will let you pull 10-meter 119 signals to comfortable 449 copy.



Inside the enclosure, no corners are cut! The board is double sided glass. Metal standoffs and supports are used in abundance, and off-board wiring is bundled and laced.

Money order for US\$189.00 to: The Insect Filter, c/o Stuart Dodson, G3PPD, The Haven, Lound Road, Blundeston, NR32 5AT, England. Tel 0502 732322. Includes shipping from England. Delivery in about 3 weeks.

U.S. CONTACT (and INSECT user): Mike Greenfield, N9JIY, 2437 Magna Vista, Jackson, WI 53037 (414) 677-4392.



MFJ-452 SUPER CW KEYBOARD

With your purchase of the MFJ Super CW Keyboard, you get the "unforgettable" "perpetual memory," plus a whole lot more! Not only will you receive a two-line LCD display and an RFI suppressed keyboard, you will receive a mind-boggling amount of other accessories and features that you would never dreamed of having before casting your eyes on the MFJ-452!

The MFJ-452 features eight (8) 250 character nonvolatile message memories, a 150 character type-ahead buffer, an iambic keyer, and a powerful "Morse Code Trainer", plus even more fantastic features!

When you purchase the MFJ-452, you will be

There Was a Mistrake!

And, the FCC is "Coming on Line" on the "Info Superhighway"

By Rich Regent, K9GDF

5003 South 26th Street, Milwaukee, WI 53221

Thanks to alert reader KC2AK of Madison who caught my errors in the "No Mistrakes Please" article in September issue of *BSSS*. Yes, Stas, for over a year the FCC has not wanted the station location on FCC Form 610. Also you can use a post office box as a mailing address, even if you do not live inside the post office.

Let's look at the new FCC Form 610 (Expires 08/31/96), there is box #3 in the section to be completed titled *Mailing address* (Number, street, city, state and zip code). That's all you need for your QTH. If there is a technical problem, the FCC can pinpoint a transmitter location with it's sophisticated direction finding equipment faster than you can even think about keying up, and that can become a mailing address too!

The good news is that on December 20 the FCC will become more customer friendly and make use of the information highway. Imagine, fancy electronic gadgets like computers, modems and data bases will be used at FCC Headquarters as a form of communications, and this isn't only in their testing lab. Perhaps a 286 with 300 baud modem! It's true, following in the footsteps of IRS electronic filing, the FCC will accept data from any of the 18 Volunteer Examiner Coordinators. Aha, it says here "The FCC hastens to add that paper applications will still be accepted." Yet all VECs, except for one who prefers to send in disks, are anxious to get on the land lines to the FCC.

Surprising even those FCC workers, already bending over backwards for customers, it was then announced that beginning sometime in 1995 a renewal short form will be mailed to licensees in advance of their expiration date. Did I get this right, you don't have to pay \$5 for this service and it's automatic? I'm a happy FCC customer already.

FCC workers with an ear to the grindstone also picked up on the need for faster licensing. They've decided to authorize operation as soon as the new license data appears in the Amateur Service License Data Base. But it gets smokey at this point, will the ASLDB, whatever that will be, have an incredible backlog or a busy signal?

The on ramps to the information highway are clogged with engines running. The answers, like how newcomers will determine their call and other thought provoking program details, are on the highway right now to clear the debris for smooth motoring.

What's the FCC address? It's 1270 Fairfield Road, Gettysburg, PA 17325-7245 (or phone 717-337-1212 to talk to someone).

sending effortless CW as soon as you turn it on. There is no computer to boot up, no program to load - you just start typing.

Even the hunt-and-peck beginning typist can send perfect sounding CW because a large 150 character type-ahead buffer will smooth out his typing and give him more time to compose.

The MFJ-452 includes "perpetual memory," which means you can save your messages and settings up to 20 years without power or batteries. Unlike those short-term memory keyboard keyers, you'll never have to worry about losing your special documents and programs again!

Only MFJ can give you an easy-to-read LCD display that simultaneously shows you what you're typing on one line and what you're sending on another. You can review stored messages, keyboard settings, and spot typing errors that can be quickly corrected by backspacing. The LCD display will also eliminate those painful "neck-typing" strains. The LCD is displayed on a sloped front panel and has a contrast control that can be seen by even the + "red-eyed" ham.

The CW keyboard (included) has excellent RFI suppression - it won't lock up or send characters you don't want because of RF, and you won't hear any digital hash in your receiver. There aren't any complex strokes here, either. MFJ offers the "SingleTouch" function keys which make it simple to store and recall messages, set speed, weight, and tone, set up serial numbering, turn on and off the transmitter tune, and it also features a keying and handkey mode.

With the MFJ-452, commonly used prosigns are assigned keys for easy use. You can also create any prosign by pressing ALT and any characters. The 452 also features an iambic keyer for fast break-in.

Continued on page 9

NEW PRODUCTS

Continued from page 8

plug in an iambic paddle and you can even use it as a full-featured keyer. Pause your playing buffer or message or insert your comments with your paddle and then resume playing - it's your choice!

The MFJ-452 also features a powerful and educational "Morse Code Trainer." You can practice or teach Morse code in Farnsworth or normal code. You can select letters, numbers, punctuation, or prosigns in any combination to practice and use standard 5, random 1 to 8 character groups, or select specific six character sets - again, your choice!

The MFJ-452 also includes all of those extra side effects that other similar products don't include, like the speaker, sidetone, volume control, and jack for external speaker or earphones. With the MFJ-452 CW keyboard, you get the total package!

The MFJ-452's AT101 compatible keyboard plugs into compact 3½ x 2½ x 3½ inch interface. Use 12 VDC or 110 VAC with MFJ-1312B, \$12.95.

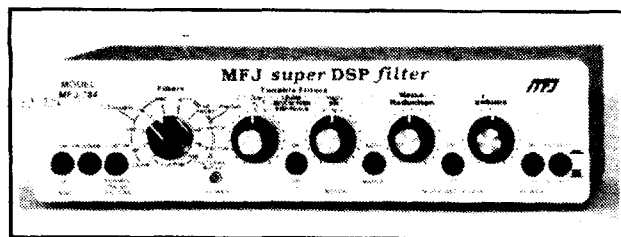
MFJ-452X is the exact same model as the MFJ-452, but comes without the keyboard, at only \$99.95. Again, your choice.

Both models come with MFJ's now famous "No Matter What" one-year unconditional guarantee.

MFJ Enterprises offers full-time toll-free technical support on all of its products. Call direct, (800) 647-8324.

For more information, or to order, contact any MFJ dealer, or MFJ Enterprises, Inc., P.O. Box 494, Mississippi State MS 39762, or call (601) 323-5869; FAX (601) 323-6551, or order toll-free at (800) 647-1800.

-MFJ news release



MFJ-784 SUPER DSP FILTER

The MFJ-784 has got a "brick wall" filter response with up to 60dB attenuation, but is priced at only \$219.95.

Able to leap tall buildings with a single bound? Faster than a locomotive? Nah! This isn't Superman, this is MFJ Enterprises' new Super DSP Filter! The MFJ-784 Super DSP Filter has a tunable "brick wall" bandpass, low pass, high pass, notch

FCC Tells Zoning Board Basis for Decision is Wrong

The chief of the FCC's Private Radio Bureau, Ralph Haller, has told the Hempstead, New York Board of Zoning Appeals that the town is wrong in trying to regulate an amateur's antenna system based on interference caused to nearby consumer electronic equipment. The amateur, Mark Nadel, NK2T, continues a running battle with the town.

Nadel, in early October, contacted his congressman, Peter T. King, who contacted the FCC. Haller responded with a letter to King, explaining the FCC's PRB-1 decision - an unusual move for the Commission. Here is what Haller told the board of zoning appeals:

"It has come to our attention that the Town of Hempstead's Board of Zoning Appeals (Board) has denied Mr. Hayden M. Nadel's application for a variance permitting him to maintain his amateur radio station's antenna at a height of fifty-five feet (versus the thirty feet permitted by the zoning ordinance). According (to) the text of the Board's decision... it based its determination largely on its finding that the 'proposed and existing antenna height of fifty-five feet' was resulting in interference to the home electronic equipment of Mr. Nadel's neighbors."

Haller then cites PRB-1 and what local authorities may do under its provisions. But "they may not," Haller told the Board, "base their regulation of amateur-service antenna structures on the causation of interference to home electronic equipment - an area regulated exclusively by the Commission."

Haller cited the FCC's exclusive jurisdiction over interference matters and told the Board "there is no reasonable connection between requiring Mr. Nadel to reduce the height of his antenna and reducing the amount of interference to his neighbors' home electronic equipment. On the contrary, antenna height is inversely related to the strength... of the radio signal that serves as a catalyst for interference."

"It is a matter of technical fact," Haller said, "that the higher an amateur antenna, the less likely it is that the radio frequency interference will appear in home electronic equipment."

- The ARRL Letter, 11/12/94

filters, and programmable, pre-set filters.

The automatic multiple notch filter eliminates heterodynes, adaptive noise reduction reduces noise, and QRN for voice, CW, and data.... It just keeps going and going and....

With the MFJ-784, you get MFJ's tunable FIR linear phase filters that minimize ringing, prevent data errors, and have "brick wall" filter response with up to 60dB attenuation just 75 Hz away.

Only MFJ can give you tunable DSP filters. You can tune each low pass, high pass, notch, and bandpass filter, and vary bandwidth to pinpoint and eliminate interference.

Only MFJ can give you programmable pre-set filters that you can customize. You can use them to instantly remove interference with the turn of a switch.

With the MFJ-784, you get MFJ's automatic notch filter that searches out those multiple heterodynes and eliminates them. They won't "be back." You also get MFJ's advanced adaptive noise filter that silences background noise and QRN so well that SSB signals sound like a local FM repeater.

What's great is you can use the automatic notch filter and adaptive noise reduction in all tunable and pre-set filter modes! Only MFJ gives you the best of both worlds - tunable filters to eliminate nearly any interference and fast, convenient pre-set filters customized for any mode. Plus! A pushbutton can quickly bypass your filter so you can hear the entire

Exam Fees to Increase

Effective January 1, 1995, the FCC's maximum allowable reimbursement fee for an amateur operator license (examination) will be \$5.92, up from the current \$5.75. The ARRL VEC will charge \$5.90 to each applicant (other than applicants taking only Elements 1A or 2).

- The ARRL Letter, 11/12/94

unfiltered signal and see if anyone is calling you.

MFJ-784 Super DSP Filter comes with a built-in two-watt amplifier, volume control, input level control, speaker jack, earphone jack, accessory jack, PTT line and PTT sense and line level output. The MFJ-784 Super DSP Filter measures in at 9 x 2½ x 6 inches.

Use 12 VDC or 110 VAC with the MFJ-1315, \$14.95. The MFJ-784 Super DSP Filter comes with MFJ's now-famous "No Matter What" full one-year unconditional guarantee.

For more information, or to order, contact any MFJ dealer, or MFJ Enterprises, Inc., P.O. Box 494, Mississippi State MS 39762, or call (601) 323-5869, FAX (601) 323-6551, or order toll-free at (800) 647-1800.

- MFJ news release

Here and There

Continued from page 5

every year, WARAC also sponsors the Mid-Winter Swapfest, and funds 4 scholarships annually. Congratulations, and thanks!

More Volunteer Examiners Needed

More volunteer examiners are needed, says ARRL-VEC Manager Bart Jahnke, KB9NM. Through June 1994, 5985 amateur exam sessions had been held, compared with 5501 for the year before, and Jahnke says he expects the increased activity to continue. You can get information about becoming an ARRL-VEC accredited VE by calling the VE hotline at (800) 927-7583, or by e-mail to vec@arrrl.org (or by U.S. mail, of course).

- The ARRL Letter, 11/12/94

Amateur to Join Congress

David Funderburk, K4TPJ, has been elected to the U.S. House of Representatives. Funderburk, a

Republican, was picked for North Carolina's 2nd District, to fill the seat of a retiring Democrat.

Funderburk, 50, holds a Ph.D. and taught history at several North Carolina colleges before being appointed by President Reagan as U.S. ambassador to Romania in 1986. His expertise is in East European and Russian studies. He was a Full-bright Scholar.

K4TPJ described himself to *Roll Call*, a newspaper serving Capitol Hill, as an "avid ham radio operator." He holds a General class license.

Funderburk and his wife Betty Jo live in Buies Creek, North Carolina.

- ARRL Bulletin ARLB091

Hams Help FCC Find EMI Source

Hams in the Omaha, Nebraska area helped the local office of the FCC in chasing down some pesky electromagnetic interference. Owners of Sears garage door openers were able to close their doors but not to open them. The FCC said that several local amateurs who had heard about the problem assisted Commission staff in locating a new air-to-ground communication system at Offutt Air Force Base, operating on a frequency too close to the doors' frequency. The Air Force contractor agreed to find another frequency.

- The ARRL Letter, 11/12/94

It's the Law

The American Radio Relay League's joint (congressional) resolution supporting Amateur Radio was signed into law by President Bill Clinton on October 22, 1994 - it's now Public Law 103-408. More information was in November and December *QST*.

- The ARRL Letter, 11/12/94



PARTICIPATING Clubs and Organizations

Wisconsin Valley Radio Association

Dee Duckett, N9SDM, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.74 Input/51.24 Output

W.V.R.A. October Monthly Meeting

OCTOBER ATTENDANCE:

N9SDM, N9SDN, N9IAB, N9LIA, N9NRA, N9NQH, W9QH, N9TTA, N9NQN, N9NQQ, & sons, N9NQY, KB9DZG, KB9FRB, N9UAG, N9QWR, N9NQW, WB9LAI, Michael Kolasiceli, KA9PML, N9PHC, Mike Hench, KB9CKR, K9BX, N9NQL, KB9DED, N9OVX, KA9HQE.

President Mike Wild, KB9DED, called the meeting to order at 7:28 p.m.

N9SDM read the minutes from the last meeting. N9PHC made a motion to accept the minutes, N9NQQ seconded, passed by the membership.

N9IAB read the treasurer's report. N9SDN made a motion to accept the treasurer's report, seconded by N9LIA, passed by the membership.

KB9DED read a letter N9NQQ had received from Les Schwartz, the race director for the Gear Grinder Classic. The letter was extremely complimentary to the club and its volunteers for the race; also included was a nice donation to the club. N9SDM will send a thank you letter to Les for the club.

Hamfest.....KB9DED stressed that more volunteers are needed! He asked that all interested in helping make this hamfest a success should see N9SDM. N9NQN will bring a large coffee pot Sunday morning. We have access to three generators. N9NQQ indicated that he will bring another generator just in case.

KB9DED thanked KB9FRB and KB9DZG for the nice long list of club activities that is needed for the tax exempt status paperwork. KB9FRB had quite an extensive list.

By-Laws....The membership discussed the different meanings of "quorum" within the by-laws. K9BX indicated he might have a copy of the by-laws from the 60's or 70's; he will check. WB9LAI also indicated that he may have a set newer than that; he also will check. N9NQQ suggested that the club have a paper ballot by mail to include those members who

never attend meetings. He suggested a copy of the proposed by-laws and a post card (ballot) be mailed to members who did not attend this meeting. N9NQQ made that suggestion into a motion, N9PHC seconded it, passed by the membership.

N9NQQ asked if someone could adjust the squelch on the repeater to help relieve the "white noise" from down south. N9IAB indicated that the general consensus from the PL survey was to put PL on. It could be bypassed by those without PL capabilities, and is not necessarily permanent. The club could try PL for a trial period and then decide. N9NQQ still would like to tighten the squelch first, W9QH indicated he is for PL. KB9DZG suggested we put PL in, but not use it, try tightening the squelch for 2 weeks first. N9IAB said the board has not been purchased yet, not sure of price. N9LIA made a motion to tighten the squelch on the repeater and have N9IAB price a PL board. N9QWR seconded, motion passed by all except W9QH and N9QWR who opposed. KA9PML is opposed to putting PL on the repeater. He used a 911 call from a traveler as an example of some difficulties to users. He also indicated that there may be some loss of membership/revenue if the PL is installed.

JOTA....Boy Scout Camporee in Bloomville, Wisconsin, October 15. N9IAB, KB9DED, N9LIA, and N9XVK drove up to Bloomville to check out the area. N9LIA indicated that the hams are part of the camporee, but not necessarily part of the competition. Set up will be Friday, on the air on Saturday with packet, HF, UHF, VHF. The field station will be set up, club equipment is to be used. N9LIA asked for more help, preferable someone with a general class license or better. There was also a representative from troop 419. His troop is unable to attend the camporee, but they are interested in setting up a demo for his kids at a future time. W9QH said he would take 5 kids at a time. KA9PML will help out too.

The meeting was adjourned at 8:25 p.m. Motion was made by N9IAB, seconded by N9NQN. The club auction followed.



SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015

The November 8, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Steve, KF9KZ. The SCARC meets at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI at 7 p.m. on the second and fourth Tuesday of each month.

ANNOUNCEMENTS

Ham Of The Year ballots need to be returned to Steve, KF9KZ, by December 13.

The 1994/1995 SCARC Banquet will be held at Klemme's Wagon Wheel on Friday February 17, 1995. Cost is \$25.00 /Couple, \$12.50/Single. Contact Steve, KF9KZ for reservations.

The SCARC and the ManCoRad clubs have resumed meeting for breakfast on the second Saturday of the month at the Cleveland Family Restaurant. All are welcome to attend. The breakfast starts at 8 a.m.

MEETING SUMMARY

Since this is was the social meeting of the month, committee reports were kept short.

Tom, AA9BJ, updated the club on DX forecasts, and gave a schedule of test dates for VE testing and Novice/upgrade classes. Contact Tom if you, or anyone you know, is interested in upgrade classes or VE testing.

Penny, N9TCF, updated the club on upcoming contests. Tom and Penny give short presentations on these subjects almost

every meeting. The club would like to thank them for their time.

The club rotor has been repaired, and 40 dipole was added to the Red Cross antenna farm. The technical committee would like to thank Jack, WB9GTX, and Steve, KF9KZ, for their help on this project. Club equipment checkout and calibration is in progress.

The program for this meeting was Short Wave Listening, presented by Steve, N9TRK. Steve gave a very well prepared overview of Short Wave Listening, a hobby that has led many of us to Amateur Radio. The presentation included a summary of when and where to listen, how to file signal reports (and request QSL cards), and what reference periodicals are available. Steve received the Flat Tube Award for his work in preparing this program.

This meeting was very well attended, creating a new problem. We need more chairs! This will be addressed at the next club business meeting.

SCARC CALENDAR

Dec. 10: Sheboygan/Manitowoc breakfast, Cleveland WI, 8 a.m.

Dec. 13: December Meeting, Slide Show Contest by Penny, N9TCF

Jan. 10: January Meeting, Home Brew night, Field Day Video, 1994.

Feb. 17: Club Banquet.

Submitted by
Mike Musiel, KF9SJ, Secretary

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, December 1st at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz) or 146.52 MHz simplex.

EXCERPTS FROM MINUTES OF NOVEMBER 3, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ, KB9BLV, N9GEN, N9UBS, W9QHI, N9UBR and AA9LE.

Minutes of the October 6, 1994 meeting were read by Secretary N9GHZ. Treasurer's report was presented by Treasurer AA9LE. The quarterly bill from *Badger State Smoke Signals* was paid.

N9GHZ reported that he sent a cassette tape recording of the buzzing interference to the 147.15 repeater to Northway Communications on October 17th. This was done per an earlier request made by them. He has not heard anything back yet from them.

N9GHZ reported that he had spoken with Brent Schaefer from the main campus of Northcentral Technical College in Wausau shortly after the last monthly club

meeting. A radio paging service out of Wausau is interested in putting a transmitter at the tower in Medford. Due to tower restrictions, they are proposing to share an antenna and feedline with our repeater. There would be no additional cost to us, and we would end up with an antenna with 2 dB gain more than our present antenna. If it is determined that the paging transmitter is causing interference to our repeater, the transmitter will be removed. N9GHZ advised Brent to talk to Roland Sacho concerning this, since the repeater is property of Taylor County.

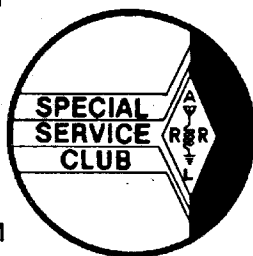
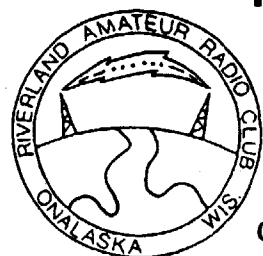
This proposal was discussed at length. The general consensus of the membership present was to get a proposal in writing. One concern brought up was who would pay to have our old antenna and feedline put back up if the paging transmitter would be removed at some point in the future, and also what would happen if the current paging service goes out of business or is bought out by another concern. N9GHZ was directed to write to Brent with these concerns and to also inquire as to the possibility of having a representative of the paging service come to one of our upcoming monthly club meetings to discuss this proposal and answer questions. Any decision to take a stand on this proposal, either for or against it, was tabled until further information can be obtained.

An inquiry was made as to whether or not N9UBQ had contacted Midway Tele-

Riverland Amateur Radio Club

Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES NOVEMBER 1, 1994

The November meeting of the Riverland Amateur Radio Club was called to order by president Feroz, WU9N, at 7:00 p.m. This well attended meeting included five guests.

Secretary's Report: Judy, N9LGV, read the minutes. They were approved as read.

Treasurer's Report: Mark, N9UNW, gave the Treasurer's report. There are 91 paid members. The Treasurer's report was approved.

OLD BUSINESS AND COMMITTEE REPORTS

Swap Fest: Dick, K0JYB, presented a bill /deposit for the Onalaska Omni Center for the 1995 Swap Fest. It will be held Saturday, August 26, 1995. He has gotten verbal commitment from a number of vendors to exhibit. Three hundred flyers have been distributed at other swap fests that have taken place this fall. The flyers were donated by Skogens in Onalaska. Testing rooms could be rented. Dick is

Continued on page 11

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Riverland Amateur Radio Club

Continued from page 10

looking for several individuals to be on the steering committee for the swap fest.

Nominating Com: Kent, W9LZQ, presented the slate: President, Feroz, WU9N, V. President, Greg, KA9FOZ, Treasurer, Mark, N9UNW, and Secretary, Tom, WB9BJQ.

.97 Repeater: Walt, AA9AW, reported the hard line is ready for installation. A little more work is needed on the mounts. He hopes it have the antenna up soon.

VEC: Rick, KV9U, reported that three tests were given and three individuals upgraded. There was a discussion on having tests at the swap fest. No decision was made.

440 Repeater: Dan, N9PZC, reported they are looking for different feed line. There are still club caps for sale. And a raffle will be held following the meeting.

Trailer: Bob, N9LZK, has picked up the replacement parts of the antenna.

Amateur Radio Weekend: Dan will be paid mileage for transporting the trailer to the site.

Badger State Smoke Signals: There was a discussion on the subscription increase coming in January. A motion was made regarding annual membership dues. It was withdrawn. Dues will remain the same as in 1994.

A motion was made to extend the meeting. Motion passed.

Net Manager: Mike, N9LXI, reported on the Sunday evening net. Check-in, swaps and information have been consistent. The net will be at 8:00 p.m. on Sunday on the 176.76 repeater. Rick, KV9U, made a motion to recommend adding a newline type of program to the net, if possible. Motion failed due to no second.

Annual Dinner: Feroz, WU9N, reported that the original place that had been selected did not seem appropriate and he is looking for a different location.

Field Day: Bill, KE9XQ, volunteered to head up the Field Day committee. He suggested the Elmers could take care of the novices and technicians. He suggested the Jostad site.

NEW BUSINESS

Kent, W9LZQ asked for help in tape recording the meetings to send to members who are unable to attend.

Awards - Bob, N9LZK, is looking for nominations for club awards: Ham of the year, Elmer of the year, and New Ham of the Year.

Motion to adjourn was made and passed.

Respectfully Submitted by:
Judy, N9LGV, Secretary

Taylor County Area Amateur Radio Club

Continued from page 10

phone Co. regarding corrections to the telephone line going to the repeater for lightning protection purposes. There was no new information. W9QHI will attempt to contact someone from the phone company regarding this matter.

It was reported that we still have a problem with securing net control operators for the weekly ARES net on Wednesday nights.

Treasurer AA9LE reported that he had recently received correspondence from *Badger State Smoke Signals* and that the new annual subscription rate for members of our organization will be \$9.00/year, rather than the \$8.40/year that we had previously thought. The consensus of the membership present was to leave the payment split as previously voted on: \$6.00/year to be paid by the member, with the remainder (\$3.00/year) to be paid from the club's treasury.

Meeting was adjourned.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

On Saturday, 10/15/94, N9GHZ and KA9UXN assisted in providing Amateur Radio communications for the annual Area 2 Special Olympics Bowling Meet, from Duke's Bowl in Abbotsford. This was an all-day activity, running from 9:30 a.m. to 5:30 p.m., with N9GHZ taking the morning shift and KA9UXN taking the afternoon shift.

On the evening of Tuesday, 10/18/94, N9GHZ attended a simulated disaster tabletop exercise being conducted by the Clark County Office of Emergency Government, as a representative of Clark County Amateur Radio Emergency Service. It was held at the Greenwood Fire Hall and involved a simulated tornado touchdown at Grassland Dairy Products along with a subsequent chemical spill. Also in attendance were representatives from the Greenwood Police Dept.; the Greenwood, Loyal, and Neillsville Fire Depts. and ambulance services; and several county department heads including the sheriff, public health dept. and social services.

Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095



WCARC MEETING MINUTES NOVEMBER 10, 1994

The meeting was called to order at 7:33 p.m. by our President, Mike, N9-NBN. There were 26 members and 6 guests present. New members were Tom (N9NUF), Christopher Beck (pending), Michael (N9XRT), and Dorothy (K9BBL). The minutes were read by Secretary-Treasurer, Dave, KA9RNU. A motion to approve the minutes was made by Sherm, W9NGT, and seconded by Don, K9GR. The motion passed.

The treasurer's report was also read by KA9RNU. The motion to approve the treasurer's report was made by Sherm, W9NGT, and seconded by Marty, WD9-

BCV. The motion passed.

OLD BUSINESS

Walt, N9LLS, announced last call to volunteer to participate at the Hartford Christmas Parade. Those participating will meet at Lincoln's School at 1:00 p.m. on November 13th in the parking lot before the 2:00 p.m. parade.

Don, K9GR, reported on the progress of the repeater in regard to obtaining a building permit. The acceptance of a building permit is supported by the local town board and the fire department. (Don has done much in regard to obtaining the

Continued on page 12



WB9QFW 2-Meter Repeater 146.07-67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES NOVEMBER 9, 1994

President Lori Jasper, KA9ZGD, called our meeting to order at 7:35 p.m. Lori announced that the program will now be at the beginning of the meeting. The reason for this change is that we have several young amateurs in the club who can't stay out on a school night until 10 o'clock to come to a club meeting. They also may not be interested in the business portion of the meeting. By having the program at the beginning of the meeting, they can come and take part in the program and learn a few things. This will still allow them to go home and have time to do homework or other things. Also, by having the program first, the business meeting time may be reduced. Things may move along a little more quickly.

Lori also announced that in December there will be a mailing with information on the new board and repeater and an invitation to the banquet. In addition to this, a questionnaire will be sent to find out availability and interest on working on different items such as HAZMAT availability, as far as helping them in an emergency, the weather nets and possibly kit buildings. This would be a club activity where we would get together, learn some new skills or refresh some old ones, and pursue a little kit building and get more into the hobby a little bit more. There were examples for kits that we can order available for people to look at. It looks like there are a lot of new ideas out there to get things moving.

The program for this month was a video from the ARRL on Packet Radio Communications.

Lori explained that there will be a sign up sheet for the Frost Bite Run. The YMCA would like some help with this. It is Saturday, December 3. The race starts at noon. We will need to get together around 11 a.m. Lori asked if anybody was interested in organizing the volunteers, and said if the were they should list it on the sign up sheet next to their name. Volunteers are needed and, if you are available, write down your name.

Mary Eiden, KA9FAS, presented the secretary's report. She circulated two Press (News) Release Forms she would be using to report club activities to the local media. She asked that everyone look them over, decide which one they liked and sign their name on which one they would like to see used.

The minutes were read and approved as printed in the last issue of WATTS SNOO (in the BSSS).

Joe Larson, N9JW, posted the treasurer's report on the board. Joe is hard at work teaching Amateur Radio classes, which are being held in the very same building as our meeting. The treasurer's report was approved as posted.

Ron Howe, NJ9H, reported that the new message board on the repeater has been installed and is working well. We can leave messages and periodic announcements. There are several other capabilities with the new board as well. Bob Baird, W9NN, said that we need a new backup system for it. He stated that we should get a new battery and charger.

Ron, NJ9H, said that he was going to find out what a standard backup system consists of because obviously what we have is not adequate. He said we can't expect somebody to go every two to three weeks and plug the charger in and have it work. Either we will have to put the charger on a timer or maybe there is a different type of system that would be more reliable for backup. Backup is going to be required or we will lose all our messages if we lose power. Art Wysocki, N9BCA, suggested that Ron find out this information and report it at the next meeting and make a proposal to the club on what should be done.

Art, N9BCA, reported that there are already three dealers signed up to attend next year's Swapfest. Art will handle the raffle for the upcoming year, in addition to the Swapfest.

Scott Jasper, NE9U, reported the new computer is in and working well. It was put to the test during a contest the previous weekend and performed great. Scott also reported that the next Fox Hunt will be Sunday, December 4. It is tentatively scheduled for 1 p.m. starting in the parking lot across from the club station. We can get together for some refreshments afterwards to warm up. After all, one can't tell what the weather will be like. Most likely COLD! This will be announced on upcoming Monday night nets. There will be prize awarded.

The banquet will be on the second Wednesday in January. Scott said that a banquet site has not been chosen as of yet. He ask for suggestions. There was some discussion. Once a site is chosen, it will be announced.

Mike Pagel, KA9LAQ, said he is in the process of amending the auto dial to reflect who is a member and who is not. For people who have not paid their dues and want to continue to be able to use this service, they should pay their dues soon.

Mike also reported that he had a student come into his office, who owns a house and rents it out on Portage Street, told him a neighbor two doors away, who he said was a ham, was interfering with his telephone, stereo, and all of his other electrical appliances. The neighbor offered to provide filters, but the ones he provided weren't effective. The student since then hears him even more clearly. He called the FCC and reported this was a Ham Operator (NOT GOOD!!).

The residence in question has an antenna, and Mike says he doesn't recognize it. The student says he has audio recordings and he will go through them and see if he can get names, calls and that sort of thing. Once the homeowner does this, he will come back to Mike with a report. Mike thinks he will have documentation he needs to let the homeowner/student know who it might be. Mike gave the homeowner suggestions on how his equipment could be vulnerable just by length of cables, that sort of thing.

Lori once again announced we are looking for volunteers for the Frost Bite Run. People interested in helping can contact her for now. Announcements will be made on the Monday night net.

The meeting adjourned at 8:47 p.m.

The next meeting will be held Wednesday, December 14 at 7:30 p.m., Room A-107 in the UWSP Science Building. The Program for next month's meeting is a video called "Last Voice from Kuwait".

ATTENDANCE

Lori Jasper	KA9ZGD
Mary Eiden	KA9FAS
John Kalina	KA9DJA
Mike Pagel	KA9LAQ
Art Wysocki	N9BCA
Steve Kochanowski	KB9IIE
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Leo Liebl	W9NYS
Dave Melton	KD9NV
Bob Baird	W9NN
Ron Howe	NJ9H
Scott Jasper	NE9U
Joe Omernik	N9CGV
Dave Tamres	KB9IIF
Frank Guth	W9BCC

Note: Last month, I forgot to mention the program. It was "Getting Started in DX".

Respectfully submitted:
Mary Eiden, KA9FAS, CWRA Secretary

Washington County Amateur Radio Club

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necessary information and proper papers. Sherm, W9NGT, expressed his appreciation for the time and phone calling Don has done to move this along. Other necessary equipment mentioned are a controller and manpower to string the feedline onto the tower. "We need one who has technical expertise in regard Motorola Micor equipment to tune it up properly."

Don also explained PRB-1, where local or state government cannot restrict radio operation in regards to tower heights, etc. by federal law.

Larry, WB9BVB, requested on those restaurants available for our annual January dinner. Heidel's, Timmer's, and Linden Inn were suggested. A date was set for Jan. 14th and the snow date was set for Jan. 21st. A show of hands was asked and it appeared to imply 50 people will tentatively attend the dinner. Larry will check for accommodations, menus, and availability. Larry reported on the weekly breakfast schedule. [The schedule can be found in the BSSS or on Larry's packet PBBS (WB9BVB-1) on 145.03MHz].

Mike, N9NBN, announced Larry, WB9BVB, is on the election committee. Marty, WD9BCV, volunteered to help.

Tom, N9LZW, reported on the Simulated Emergency Test (SET). (A report on the results is appended on the end of the minutes).

Tom, N9LZW, announced the owner of the 145.35 Rubicon repeater, Dick, is looking for someone to help assist him with his repeater, which is located 1 mile south of Hartford. Tom also announced WB9SNM is asking all hams and packet users to join WAPR. Tom announced, "We are waiting for the antenna to be installed at the Sheriff's Department for emergency government. We will eventually have voice and packet capabilities."

NEW BUSINESS

Mike, N9NBN, announced we need to increase club dues, because of the increase in subscription cost of the BSSS. A discussion was made. Marty, WD9BCV, motioned to raise the dues to \$15.00 per year and Larry, WB9BVB, seconded it. The motion passed.

Joel, K9MLD, talked about the "TYT" situation. At this time, we need a good location, 3 radios, a power supply, 3 TNC's linked together in a matrix, and 3 antennas (2 beams and omni) to get the network together in Southeast Wisconsin. The Lodi BBS had been struck by lightning and is down.

Mike, N9NBN, asked for any volunteers for Yaesu Days at AES to represent our club at a table. Walt, N9LLS, volunteered. (The club will supply membership forms).

A motion was made by Sherm, W9NGT, to adjourn the meeting. Paul, W9SIZ, seconded it and the motion passed.

The program was on weatherfax reports and what equipment is required by Dave Geschke, AA9HL. Our December 8th meeting will have Nels Harvey (WA9JOB) speaking on repeater coordination.

Saturday 10:00 a.m. breakfast schedule for December:

Dec 10 - Jimmy's in Jackson
Dec 17 - Around the Lakes 2 in Hartford
Dec 24 - (none due to holiday)
Dec 31 - Slinger Inn in Slinger

WASHINGTON ARES SET RESULTS

On October 15, participating stations went throughout Washington County checking in with net control from 12 town halls, 5 village halls, 2 city halls, and 2 hospitals. They earned points for checkins from each location and bonus points for all locations within a group. Station were also encouraged to transmit a Radiogram to anyone of their own choosing for additional points.

Participating stations gained valuable experience in net operation, passing traffic, and using tactical call signs. They also gained a better understanding of our county and the capabilities of their equipment.

Tom, N9LZW, was Net Control for the SET. He learned that net control can be a tough assignment when things get busy. The results of the SET are as follows:

1st place: Mike, N9NBN, who along with Mark, N9UGH, checked in from each of the 21 locations and sent a radiogram. Points earned 510. Mike won a gift certificate of \$20 at AES.

2nd place: Tootie, N9OOY, who was accompanied by her daughter Christina earned 275 points and won a gift certificate \$10 at AES.

3rd place: Walt, N9LLS, and his wife Elaine earned 245 point and were tough competitors.

4th place: Virg, WB9DLT, and his wife, Peggy, WB9RWV, earned 200 points. This pair were really going strong despite a late start.

5th place: Maury, W9MQD, earned 160 points. Maury would have earned an additional 100 points just by sending one radiogram.

6th place: Keith, KY9P, and his wife Karen, N9GOV, racked 10 points as they returned from a previously planned trip.

□

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING • NOVEMBER 14, 1994

The meeting was opened at 7:30 p.m. by president Gary, N9MGH. Everyone present was asked to introduce him/herself with first name and call sign. Twenty-nine Hams were present.

The salesman who took the order for the jackets (Was it this year? Seems a long time ago.) was present and explained the long delay. He also answered a few questions. (A brave guy, I would have stayed away!) He said the jackets should be in next Thursday, plus that the club would get a sum of money as an excuse for the long delay. Paul, N9RGW, estimated the pot of gold would be worth some 750 dollars! Would be nice to get, but I have my doubts we will get that or the jackets! I have to give credit to the salesman to show up. Some Hams asked for his address, I wonder why?

The Minutes as shown in the BSSS were approved with minor corrections.

Treasurer Dave, AA9HL, gave the club's financial report. Yes, we are in the black!

Gary, N9MGH, reported that all tickets to the trolley ride in December have been sold. We should meet at 7:00 p.m. sharp at the Chartroom, 209 Douglas Avenue by Root River. There was a question about parking. Maybe the river is frozen by then? Not a good idea to park on the river even if you could get on it!

Larry, WA9JMO, gave a report on the ongoing Ham Classes. At November 22, there will be a special Novice and Technician test which will be run by a team from Milwaukee. Some 25 - 30 students have shown up every week. Larry said there is some talk about a class again next spring. He again pointed out the nice help he has gotten from our local group of Hams.

Dan, KA9OIL, gave a report on the last Hidden Transmitter Hunt (Fox Hunt). Hiding the transmitter were Dennis, WB9SVM, and Dave, N9DLZ. We were told Dennis had used camouflage to hide his car which looked like grass to most people. I mean the cover! Remember it was dark also! There is no end to the imagination the "Foxes" use to try to fool the hunters. The winner for that evening was Dan himself, with 6 other assistants in the van. How many assistants are you allowed to bring along? Five Hams are now tied to first place. Not all from Dan's car! The rules for the game will remain the same for 1995.

Bruce, K9RRS, gave a report on the last meeting of the combined Packet Users Group and the ARES. Not too many showed up, which happened to be election night and Ham Class night. Next meeting will take place in February. Meeting place was Around The Clock restaurant.

Larry, WA9JMO, gave a report on the Ham Dinner next spring. The program may be a little longer and there will be room for dancing afterwards to the music of Ray, W9LST. Larry hopes for some 150 people. All committees for the event have been formed and the Ham Of The Year will be picked by one committee.

HAM CALENDAR Courtesy Racine Megacycle Club

Dec 3	Testing at Red Cross
Dec 9	Fox Hunt
Dec 12	RMC CHRISTMAS PARTY
Dec 18	QCWA Christmas Party

1995

Jan 8	Hamfest at Waukesha
Feb 26	Hamfest at New Berlin
Feb 28	Hamfest at Eau Claire
Mar 26	Hamfest at GraysLake
Apr 2	Hamfest at Madison
May 6	Hamfest at Cedarburg
May 13	Hamfest at Manitowoc
Jun 11	Hamfest at Stevens Point
Jul 30	HAMFEST RACINE!

Several awards will also be given out.

OLD BUSINESS

Dan, KA9OIL, gave a report on the Field Day 95. There is some talk about purchasing a Ten-Tec and repair the Swan. This year there will be sign up sheets for those that want to help out so the radios are used the whole time. We may even have a packet and satellite station.

Lee, N9VNU, thanked those who helped him put up his antenna. Has Lee gotten a radio for it yet?

NEW BUSINESS

Dave, AA9HL, brought up the need to raise the price for the club dues, since BSSS are raising the cost for 1995. The cost for the paper will be 6 dollars/year for a member and 15 dollars for a member of RMC including the BSSS. A motion was passed to raise the dues for 95 to cover the increased cost.

Gary, N9MGH, brought up the need to elect officers for 1995. After some discussion the new slate of officers for 1995 are: President, Paul, N9RGW, V.P. Bridget, N9XGX, Treasurer, Dave, AA9HL and Secretary, Alex, N9RGX. Gary thanked everyone who served during 1994.

The famous "Goodie Box" was given to our upcoming VP, Bridget, N9XGX. Her husband Jim, N9SEM, helped her drag it home.

Larry, WA9JMO, suggested the club start some radio nets. He volunteered to for a committee to do this. The nets could be on 2M or any other Ham frequency.

The meeting was adjourned at 8:25 p.m.

A number of Hams met afterwards at the usual coffee and cake place.

Sincerely submitted:
Arne, KA9ZPY, Club Secretary

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204

2-Meter Repeater: 146.01 Input/146.61 Output



MEETING MINUTES NOVEMBER 9, 1994

The meeting was called to order by Club President Barney, N9XER at 7:30 p.m. Secretary Eric, WD9IAB read the minutes for the October meeting, that were printed in "Smoke Signals". The club members approved these minutes. Treasurer Glen, AA9MT read the treasurer's report. This was also approved as read, by the club members.

OLD BUSINESS

Over the last several months, there has been a great deal of discussion about what upgrades can be made to the club's repeater. In order to clarify the situation, the Board of Directors were given copies of recommended upgrades, that were determined by the repeater upgrades committee. Red, N9GHE, who has considerable communication with the County of Manitowoc

personnel (the county owns the repeater site) who are involved with the repeater site, and any repeaters on the site. Secretary Eric, WD9IAB, was asked to read to the meeting attendees the information learned by the board, about the repeater situation. According to Red, the county will only allow the club to make changes to its repeater controller, amplifier (which we have done), power supply (which we have done), receiver, transmitter, and antenna. The Board of Directors has decided to investigate different makes of repeater controllers, in order to decide which controller to possible purchase, to replace the one presently used on the club's repeater.

All other upgrades to the repeater, such as receive pre-amps, circulators and isolators (which are used for interference prevention, and lightning/surge protection), and a revamped ground system, can

Continued on page 13

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings, NWRC members and guests, The last meeting of NWRC was held on Oct. 25th at Menomonie. Officers present were AA9BB, Cory and KA9OMC, Steve. Balance at the time of meeting was \$16.63.

ATTENDANCE

KA9PVY
KA9OMC
AA9GB
N9RSU

W0LUY and YL Delores
N9PPE
KB9AGC
N9TTV
KF9CU and OM Dave

Program for the meeting was the election of officers for 1995. Volunteers for President were AA9BB, Cory, for Vice President was KA9PVY, Ken, and Secretary/Treasurer position was left vacant.

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Mancorad Radio Club

Continued from page 12

only be done by County of Manitowoc personnel. Therefore, the club can't make (any) of these upgrades to its repeater, unless the County of Manitowoc approves them, and handles the work involved with these upgrades.

Recently, the County of Manitowoc hired Motorola to advise them about what upgrades need to be made to county repeater sites, to provide better coverage, reduce interference, provide better lighting/surge protection, and recommendations (upgrade work is already done on the Cato repeater site) and plans to have the Viebahn Street county repeater site (where the club repeater is located) upgraded, completed by the Spring of 1995. Since the club's repeater shares a common receiver antenna (and feedline) with the county repeaters, and a common ground system, hopefully these upgrades will eliminate intermodulation (and other interference) problems, that have happened in the past.

Therefore, the club's Board of Directors has decided to not pursue any further upgrades (other than possibly a new controller) on the repeater, until the county's upgrades to the repeater site, have had a chance to prove whether or not they are beneficial to our repeater.

On December 7, Steve, N9PBL, will give a talk about Ham Radio (especially with regards to emergency communications) to firefighters from around the county, at the Two Creeks town hall. Anyone who would like to help him with his talk, should contact him. All assistance would be greatly appreciated.

The club has decided that it will involve itself, mainly in a technical advisory function, with the set-up of a ham station at Lincoln High School.

NEW BUSINESS

The club voted to accept Ed Gauthier,

N9QIM, for club membership. Welcome aboard, Ed! Also, Yogi, WN9Q, showed the meeting attendees, the twin lead J-pole he recently built. This is housed in a piece of PVC, which helps to make the antenna sturdy, and weatherproof. It has proven to be a good performer. All club members who are interested in building one, should get in touch with Yogi.

To fill the vacancy left by the Vice Presidential election winner (in last month's elections), having to refuse the position due to a job conflict, new elections were held for Club Vice President. The winner was Dick, N9QFY. Congratulations, Dick!

With the holiday season approaching, thoughts are once again turning towards the question, of when to hold the MANCORAD Christmas banquet. Steve, N9PBL, has offered to take charge of this. Some members have expressed the desire to hold this in February (which is a growing trend for Christmas parties), when things are a little less hectic, schedule-wise.

Steve, N9PBL, also informed the club that Wisconsin Electric Power Company (where he works) is going to donate two personal computers, and one printer to the club. This will give the club a much needed boost in computer capabilities, especially with regards to packet radio. Well done, Steve!

Also, George, N9BCX, reminded the club that there is a monthly get-together with Sheboygan County hams, on the second Saturday of each month (next one is Dec. 10) at the Cleveland Family Restaurant, which is located just off of I-43, in Cleveland. The last one was a big success. They are held in the morning, and all hams are welcome. For more information, contact George.

Club President Barney, N9XER, also informed the club about two license class upgrades in the club. Treasurer Glen, AA9MT, and Secretary Eric, WD9IAB, both recently upgraded to Extra class. Congratulations, guys!

73, CU down the log,

Northern Wisconsin Radio Club

Continued from page 12

Because of a continuing lack of a full slate of officers and the severe cost of purchasing liability insurance locally for two organizations (Northern Wisconsin Radio Club and the Red Cedar Repeater Association, Inc.), the group attending voted to table the NWRC business and allow the RCRA to pick up some of the activities of NWRC like the Eau Claire auction.

Premiums for two organizations in 1995 would have been close to \$600 for liability. While merging and increasing dues were a part of the discussion, we come back to liabilities the RCRA has that cannot be extended and dues increases would probably only just cover expenses with not much left for boosting things like door prizes and food.

Serving the club for 7 years has been a great and fun experience. We all have enjoyed the bringing together of hams

from many areas like only the NWRC could do. Terms like "dispensing with" or believing the club could not be effective if it did not involve itself with ownership of repeaters just did not apply here. NWRC was always about people and not possessions.

For those of you who wish to receive *Smoke Signals* or renew your continuing subscriptions, the Red Cedar Repeater Association will be handling them on a sponsor support level basis.

The RCRA will be holding a social hour on the same 4th Tuesday schedule at the Peppermill Restaurant, and we hope you will also follow our report here in *BSSS* starting with next month's issue. The RCRA will be sponsoring the auction in Eau Claire, as advertised.

Thanks to all who have supported this effort and let us all keep a place in our minds and hearts for great legends like NWRC.

73's.

NWRC Sec/Treasurer KA9OMC

Steve Hart

E616 810th Ave., Knapp, WI 54749
715-665-2374

Eric Rugowski, WD9IAB
MANCORAD Secretary

MEETING ATTENDEES NOVEMBER 9, 1994

Glen	AA9MT	Charles	W9GXD
Dave	N9HNP	Chuck	W9BZU
Jim	N9XCQ	George	N9BCX
Cheryl	N9KKX	Bob	KB9INK
Terry	N9PZT	Jim	KB9GOX
Sharline		Julie	N9PZX
Ken	WB9OBX	Bill	N9XEZ
Dick	N9QFY	Willie	W9TQV
Ron	WS9X	Howard	KE9YD
Jeff	N9XEV	Clancy	KB9ECW
Red	N9GHE	Yogi	WN9Q
Steve	N9PBL	John	NZ9Z
Ken	K9HAG	Tom	KB9IJR
Mary	KB9GOY	Ed	N9QIM
Vic	WB9VYO	Paul	N9QFX
		Bill	K9DUX
		Eric	WD9IAB

Every new radio amateur in Wisconsin gets a free sample copy of *BSSS*!

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



Our 21st November business meeting was held at the home of Bob, W0WLN, and Gladys Jensen. The restaurant meeting room we normally frequent came with a surprise last month. It seems the owner(s) want all users of their back room to order a full dinner or pay a per capita set amount for each non diner. Most of our members dine with their family an hour or two before our meetings. To ask them to partake in another large meal 90 minutes later is a bit much. We are looking for alternative sites for future meetings. If you know of any, please inform our Chapter officers.

Fourteen members, including Ed, WA9Y, and Cecilia Westburg, our Florida liaison, attended the last business meeting of the year.

Our sunshine committee was re-affirmed by President Bill Komistra, W9OVZ. Appointees Chuck Knotek, W9GKM, and Steve Bellgraph, K9ZL, were asked to form guidelines on how the Chapter will extend concerns when illness strikes our Ham family.

Our Christmas Party will again be held at Channing's Restaurant in Racine on Sunday the 11th of December beginning at 1:00 p.m. Following the meal, a gift exchange will take place with gifts around \$5.00 suggested Men's gifts to be wrapped in green and ladies' gifts wrapped in red. Post cards announcing the event will be mailed to all members.

Our January 1995 meeting will be held on Monday, the 16th, at the South Port

Restaurant in Kenosha beginning at 7:00 p.m.

It is with great sadness that I inform the readers that our eldest member, Olin D. Fox, K9AKG, 91, became a Silent Key on the 23rd of September 1994.

Our Ham classes are over, and 21 newly tested local Hams are waiting for their calls. Congratulations to all you future Radio Operators and thanks to all who helped in teaching, testing and assisting.

Again I would like to remind all you party animals to mark your calendars for the 25th of February 1995. Our annual Ham Banquet will be held at Ensenada's Restaurant, 8300 Washington Avenue in Racine. Fine dining, excellent fellowship, superior music and a program of outstanding achievements (hopefully) and generally a very good time will be had by all attendees. Flyers with all the details will be available in early December.

Also, please keep in mind that an awards committee has been formed from all participating clubs for the purpose of recognizing Hams who have served our community and our hobby in an outstanding manner. To nominate some deserving Ham for recognition at the banquet, submit in writing your reasons for selecting this individual(s) and mail your letter to Larry McCalvy, WA9JMO, 5400 Six Mile Road, Racine, WI 53402 by the 31st of January 1995.

73, Larry McCalvy, WA9JMO

FROM THE EDITOR

• Wow! This is our 300th issue. It doesn't seem so long ago when this newspaper was a newsletter, one or two sheets, mimeographed in K9EN's basement. Like the proverbial "Topsy," it grew. It's still growing, with circulation getting bigger every month. We (the volunteer writers, photographers, cartoonists, typists, pasteup jockeys, circulation department, and so on) are proud of what we have accomplished as a team, dedicated to providing our readers with the very best possible newspaper we can manage every month. Now, it would help soooooo much if we could just manage a good flatbed scanner. It would save nearly 40% in production time - and help prevent editor's burnout (that's me). We need to be able to do word scans (OCR); that would save HOURS of retyping material that has already been typed once. It would also allow us to scan in logos, instead of trekking 22 miles and paying a small fortune for a scan every time we need one done. The Hewlett-Packard ScanJet II is NOT that pricey, but, with \$275.00 worth of application for second class mailing staring us in our faces, we can't do it. Phooey. Maybe by the year 2040, we can get one. I ain't holding my breath, though.

• We will begin mailing by second class in February, 1995, not January. Our mailing permit is due in January, but the January issue is mailed in December. The change will occur with the first issue we mail in 1995 - and that is the February issue. Patience! It's coming, and will provide you with better service. We hope you will all get your copies within just a few days of mailing, not some taking two weeks (or longer), like now.

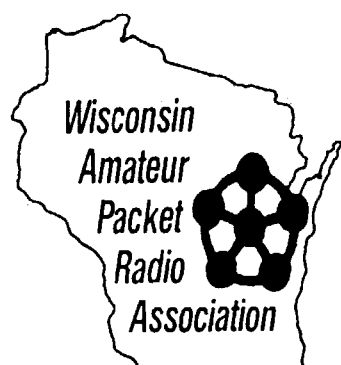
• For those interested, I finally had my hernia (himnia?) fixed. Bad one. Lots of post-op pain. But, it's done! No more pain. I should have had it done 15 years ago.

• PRB-1: I'm seeing references made to the "fact" that the FCC's PRB-1 precludes ANY local regulation of Amateur Radio towers. NOT! Local governments still have the "safety" issue to deal with. But, they cannot walk around PRB-1 by charging amateurs (hobbyists) the same high fees and forcing them through the same cumbersome legal procedures as commercial radio operators (profiteers). This happened in Racine County, after the county executive allegedly lied to Bob Jensen, W0WLN, when he told Bob that the new Racine County tower law would have an exemption for amateurs, based on the Portland, Oregon ordinance. The board approved the proposal - and the exemption wasn't there. The exec reportedly told Bob something to the effect that "no ham is going to build a tower next to MY house." Fellow hams, we are trying - and seem to be on our way - to adding a very necessary tool to fight situations like these. PRB-1 may well be codified at the state level. That situation in Racine County is what prompted me to work with my representative on state codification of PRB-1. There have been a lot of contacts and discussions between hams and their state representatives and senators, and one representative is ready to introduce the law when the next session starts in January. The law at the state level will help, because communication between the state and its internal governmental bodies is sure to be far better than that between the feds and local governmental units. The Racine ordinance has NOT been modified, either. It clearly violates PRB-1. And such laws hurt us badly in one particularly crucial area: emergency communications. Read the letter on page 1 of our November, 1994 issue from the National Weather Service, and you'll get an idea of what the Racine County Board has helped to cripple. In deference to that board, it is doubtful they knew they were hurting our ability to perform these free services, and it's also doubtful they ever were told about PRB-1. We hope they will look at the Portland law and put that exemption in the tower ordinance. We also expect to have a story from ARRL Wisconsin Section State Government Liaison Verne Teske, W9RYA, in our January issue, to update our readers about progress in codifying PRB-1 as state law in Wisconsin.

• Happy holidays and 73!

- Jim Romelfanger, K9ZZ

Material for the "What's Happening" section of *BSSS* MUST be sent to Ken Ebner, K9EN, NOT to Jim Romelfanger, K9ZZ. Your cooperation is appreciated.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT
921 8th Avenue • Grafton, WI 53024

Joel Papke, N9BQM, Editor, 7968 Ubinger, Pittsville, WI 54466

NEW NODE ON 145.75

Station equipment: YEASU FT2400 and Kantronics 9612. Station power: AC power with batt back up. Station capabilities: The station has about a 45 to 59 mi coverage and with the 9612 has a gateway for users at 1200 baud to cross over to the 9600 baud link to the WD9ESU BBS. This feature will hopefully be available in the near future. I hope this node will be helpful for those packet users in the Richland Center, Richland County, eastern Vernon County, Hillsboro, Wonegoc and southern Juneau County areas. You are all welcome to use the node as a way to get to a full service BBS.

NCC DAVE/MELODY (N9TUU-12) VALTON, WI
73 de Dave @ Melody

Why I joined W.A.P.R.

Hi, all. Thanks for taking the time to read this. I think this is important discussion and hope you think about this.

For the couple of years since I first took fingers to the keyboard and saw my first packet transmitted, I felt that WAPR was some big organization that I had no place in. I thought that the organization consisted of "Big Power Packeteers" and was devoted to BBS and Node operators' interests, and little else. I did not have the foggiest idea as to what WAPR really was and is - a bunch of fellow hams who like packet radio and want to make it better in Wisconsin.

You see, in that couple of years since getting into packet, I have become familiar with the state packet radio network. I would regularly "Surf the Network", just to see how far my packets could be sent. After a while, it became clear that the Wisconsin network had it's dead-ends. It also seemed, from what friends in other parts of the country were telling me, that our state is one that was lacking a complete, solid network. As I have found packet radio fascinating, it got me to thinking "What can be done?"

Well, complaining is out. I know the network is, like all of ham radio, a volunteer enterprise. I know how keeping a volunteer-operated facility of any kind running can be a challenge. It takes money, time and effort. How do we support that network, and help it grow? It seemed logical that if I wanted to help the situation, I would have to start something myself, or join WAPR. As I do not have the time, energy, or desire to duplicate an already existing organization, it was time to investigate joining.

So, I attended the June, 1994 meeting of WAPR in Stevens Point. Surprise was my initial reaction. There could have been no more than 20 people in the room. I later found that the organization, in a state with about 2000 packet operators, had a mere 70 (or so) members. There were people who operated BBS's and Nodes, and the "average guy (and gal, I might add)". It is not an elitist organization, the membership consists of regular hams who happen to have a common interest of packet radio.

Then a copy of the By-Laws came my way and found out what the organization's goals are. There is a lot there that can't be done right now, but they are trying. Here is their purpose, taken from the bylaws:

1. Packet Radio educational programs
2. Packet Radio network planning and development
3. Packet Radio frequency planning and coordination
4. Inter- and Intra-network planning and coordination.

5. Development and dissemination of technical information regarding Packet Radio
6. Enhancement of Packet Radio operation in Wisconsin
7. Liaison with organizations having the same interests Statewide, Regionally and Nationally Packet Radio which come before the Federal Communications Commission, American Radio Relay League or other regulatory or advisory bodies

Seemed like their goals were consistent with mine, there is a place for me in the organization, so I joined. After attending the meeting and checking the organization out, it only seemed right.

It is clear to me that, here in Wisconsin, we really need to work together to make packet radio a better place, and to manage it's growth somehow. It has been my observation that Packet radio has really taken off in this state, just like the rest of the country. Our packet network is strained and just plain short in a lot of areas in the state. A lot of people just getting into Packet Radio do not know that there is a clear, logical bandplan that covers packet operation. They do not know how to use the network properly and often have to be tutored in the nuances of packet operation.

Personal contact and Elmering is good, but it sure would be nice to have some printed reference material to pass on to folks. Sure would also be nice to fill in the gaps in the state packet radio network. Sure would be nice to have the benefit of exchanging technical info with other packet operators. I think you can get where I am heading toward here.

The best way to see this stuff come to pass is through a statewide group. We already have one, and it needs your membership, support and active participation to help get it moving. WAPR is not some big, financially influential organization. They spend no more than they get from member dues, and do the best they can. But I felt that even though one more person would not make a huge difference, at least that would make one more. If you think this is a pitch to join, I guess in a way it is. I was not approached by

anyone to do this, it was done because I like to see packet radio in Wisconsin grow. I hope you do too, and ask that you join. Membership is a good deal at \$15.00 a year. Usually, you can download a membership application from your local BBS. If you can't find one there, ask your local BBS Sysop to help you get one. You will not see an overnight change in the packet radio network in Wisconsin, but you will be able to enjoy a better one if you (and your packet friends) join and support WAPR.

Again, Thanks for reading this and 73,
Andy Nemec, KB9ALN
KB9ALN@KA9JAC.WI.USA.NOAM
Green Bay, Wisconsin

November 4, 1994

Mr. Richard K. Helman W9LZQ
1063 Fairfield Street
Onalaska, WI 54650

Dear Richard:

The primary reason for this letter is to alert you to the need for a massive increase in support for WAPR (Wisconsin Association of Packet Operators). As you know, I have for some time been promoting packet (and ATV) as tools which are unique to the ham community and which can be utilized as ARES resources in connection with establishing and maintaining close ties with Emergency Government and private disaster relief organizations. Recent events -- specifically the demise of the Slinger backbone node -- have made it clear that the umbrella packet organization for Wisconsin (WAPR) needs much more support than it is getting if it is to do an effective job.

Right now, the backbone system is basically a private system wherein individual hams have spent their own dollars setting up stations for the benefit of the entire ham packet community. Because each of these set-ups is dependent on the individual who built it. It is extraordinarily vulnerable to the kind of thing that happened to WB9TYT. The voice repeater system

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\$15.00 made payable to W.A.P.R.

to: Ted Heilmann, N9LLT, 921 - 8th. Avenue, Grafton, WI. 53024

got over this problem a long time ago by going to organized clubs, which are many times incorporated and sometimes even qualified as charitable entities. It seems to me that the same route should be followed by the packet community. I have talked to Kent Helman about this and he agrees that things must move forward.. I am asking that you and each of the other ECs in Wisconsin actively promote not only the revitalization of WAPR but also active dues-paying membership by every packeteer in WAPR. I don't think anybody would today expect to operate on a voice repeater without at some point "joining up" and paying the normal repeater club dues. That is, however, exactly what is going on in the packet area. There are perhaps 100 members of WAPR but over 1500 active packeteers. This situation must change, and I hope you will endeavor to persuade the packeteers in your area to join WAPR and join in the effort to revitalize and refocus it on the task of taking ownership of and developing the packet backbone system in Wisconsin.

If I can answer any questions or help in any other way, please let me know.

73, John D. Leekley, Jr.

NOTE: John is the Wisconsin State Emergency coordinator for ARES. This letter was sent to all ECs in Wisconsin.

TOMAH NODE CHANGES

On November 16, the WAPR affiliated node at Tomah, WICMY was discontinued and the equipment reinstalled at a site a short distance away from the original site. The node is now under the callsign KA9ZZK-2 (WIZZK). WIZZK is the Tomah node serving as a link between southern and northern Wisconsin in the mid and western part of the state. WICMY had been in service for many years on 145.01, but due to conflicts with the voice repeater located at the same site, it was decided to move the unit to another location. The node is operated by WANA (Wisota Amateur Networking Association) in affiliation with WAPR. Rich, KA9ZZK donated the antenna, feedline and TNC for the setup.

WANA also wishes to thank Joel Papke, N9BQM for the use of his TNC at the WICMY site for these many years. You can have your TNC back now Joel!

NEW PACKETEER EDITOR

Joel Papke, N9BQM, as taken over the position of editor for the Wisconsin Packeteer for the Wisconsin Amateur Packet Radio Association (WAPR). If you have any contributions, send them to Joel at his address in the Packeteer heading.

Also thanks to Steve Loeffler, WB9ZRE, for his service as editor of the Packeteer.

Out of State Exams

Information Provided
by the ARRL/VEC



The following information received from ARRL Headquarters VEC.

EASTERN IOWA

12/10/94, Clinton, 319-242-9486, Roger Gorzney
04/08/95, Clinton, 319-242-9486, Roger Gorzney
06/10/95, Clinton, 319-242-9486, Roger Gorzney
08/12/95, Clinton, 319-242-9486, Roger Gorzney
10/14/95, Clinton, 319-242-9486, Roger Gorzney
12/09/95, Clinton, 319-242-9486, Roger Gorzney

NORTHERN ILLINOIS

12/02/94, Westmont, 708-964-6712, Don Hlinsky
12/10/94, Oak Forest, 708-448-0580, David Brasil, N9FN
12/12/94, Chicago, 708-677-3272, Michael Levine N9HEL
12/20/94, Aurora, 708-879-2217, Alan Ahasic
12/20/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
12/20/94, McHenry, 815-678-4276, Jack Hudson
01/17/95, McHenry, 815-678-4276, Jack Hudson
02/03/95, Westmont, 708-964-6712, Don Hlinsky
02/21/95, McHenry, 815-678-4276, Jack Hudson
03/21/95, McHenry, 815-678-4276, Jack Hudson
04/07/95, Westmont, 708-964-6712, Don Hlinsky

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The regular Yellow Thunder Amateur Radio Club, Inc. meeting of November 16, 1994 was called to order at 7:30 p.m. by the Vice President Bill Klinkner, N9KXX.

Ken Ebner, K9EN, made a motion, seconded by Jim Paul, N9LKY to accept the minutes of the last meeting as printed in Smoke Signals. The motion passed and the minutes were accepted.

The meeting dates for next year have been finalized. (list following minutes.) The dates will be passed on to the Secretary, Raymond Matlosz, N9MLZ.

Jim Decker, WB9UQT, Treasurer, reported that the club has money in the bank and all bills are current. Jim also reported that he recently saw L.J. Hemmer, WB9TFJ, and he says "HI" to everyone. L.J. now resides in Madison.

Art Kleefish, W9WSS is back from his vacation and had a wonderful time out west.

There will be an executive meeting sometime around the first of December to get all of the materials arranged for the renewal notices and to appoint the member-at-large.

The Annual Christmas party will be held on Friday, December 16, 1994, at the Old Highway house in West Baraboo. Refreshments and social hour are at 6:00 p.m. and dinner is at 7:00 p.m.

Steve Schulze, N9UDO, has included the YTARC meeting dates on his bulletin board (packet frequency 144.990). He also reported we have permission to use Len's (N9QIP) repeater for club business. (147.315 with a p.l. of 100)

Buck night winner was Duane Grotophorst, KA9HKL, who was not present.

Bill Hommel, KA9QFJ, made a motion to adjourn the meeting which was seconded by Steve Schulze, N9UDO. The motion passed and the meeting was adjourned.

Respectfully submitted,
Bill Klinkner, N9KXX, Vice President

A program on packet radio followed the meeting including a discussion of the space shuttle and MIR.

04/18/95, McHenry, 815-678-4276, Jack Hudson
05/16/95, McHenry, 815-678-4276, Jack Hudson
06/02/95, Westmont, 708-964-6712, Don Hlinsky

UPPER MICHIGAN

12/03/94, Harvey, 906-249-3837, Richard Schwenke

MINNESOTA

12/03/94, St Paul, 612-222-7253, John Bellows
12/10/94, Bloomington, 612-888-6187, Jerry Jensen
12/10/94, N Branch, 612-444-9814, Bradley Fern
12/17/94, Cottage Grove, 612-459-8578, David Harrell

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I just found a doctor I like, he soaks his tongue depressors in brandy.

The following members were present for the meeting:

Steve Schulze, N9UDO	Baraboo
Bill Hommel, KA9QFT	Baraboo
Domenic Bianco, KA9QFK	Reedsburg
George Gabay, N9QQR	New Lisbon
Ken Ebner, K9EN	Portage
Phil Anderson, W9TP	Baraboo
Anne Klinkner, N9PQL	Sauk City
Jim Decker, WB9UQT	Baraboo
Bill Klinkner, N9KXX	Sauk City
Thomas Harrison, N9PQJ	Reedsburg
Jim Paull, N9LKY	Merrimac
Pete Sweeny, WD9JIB	Reedsburg

The following are the dates for the 1995 meetings: (All meetings will be held at the Baraboo Civic Center, 124 Second Street, Baraboo, WI.)

Tuesday	January 17, 1995
Wednesday	February 15, 1995
Thursday	March 16, 1995
Tuesday	April 18, 1995
Wednesday	May 17, 1995
Thursday	June 15, 1995
Tuesday	July 18, 1995
Wednesday	August 16, 1995
Thursday	September 14, 1995
Tuesday	October 17, 1995
Wednesday	November 15, 1995
Thursday	December 14, 1995

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2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:

Larry Siebers, KD9IA
414-788-3823

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Kettle Moraine Radio Amateurs SWAPFEST

Waukesha County Expo Center

Info: KMRA Swapfest

P.O. Box 411

Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

AUCTION

February 28, 1995 • 7:00 p.m.

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Knapp, WI 54749

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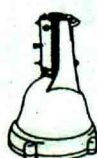
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